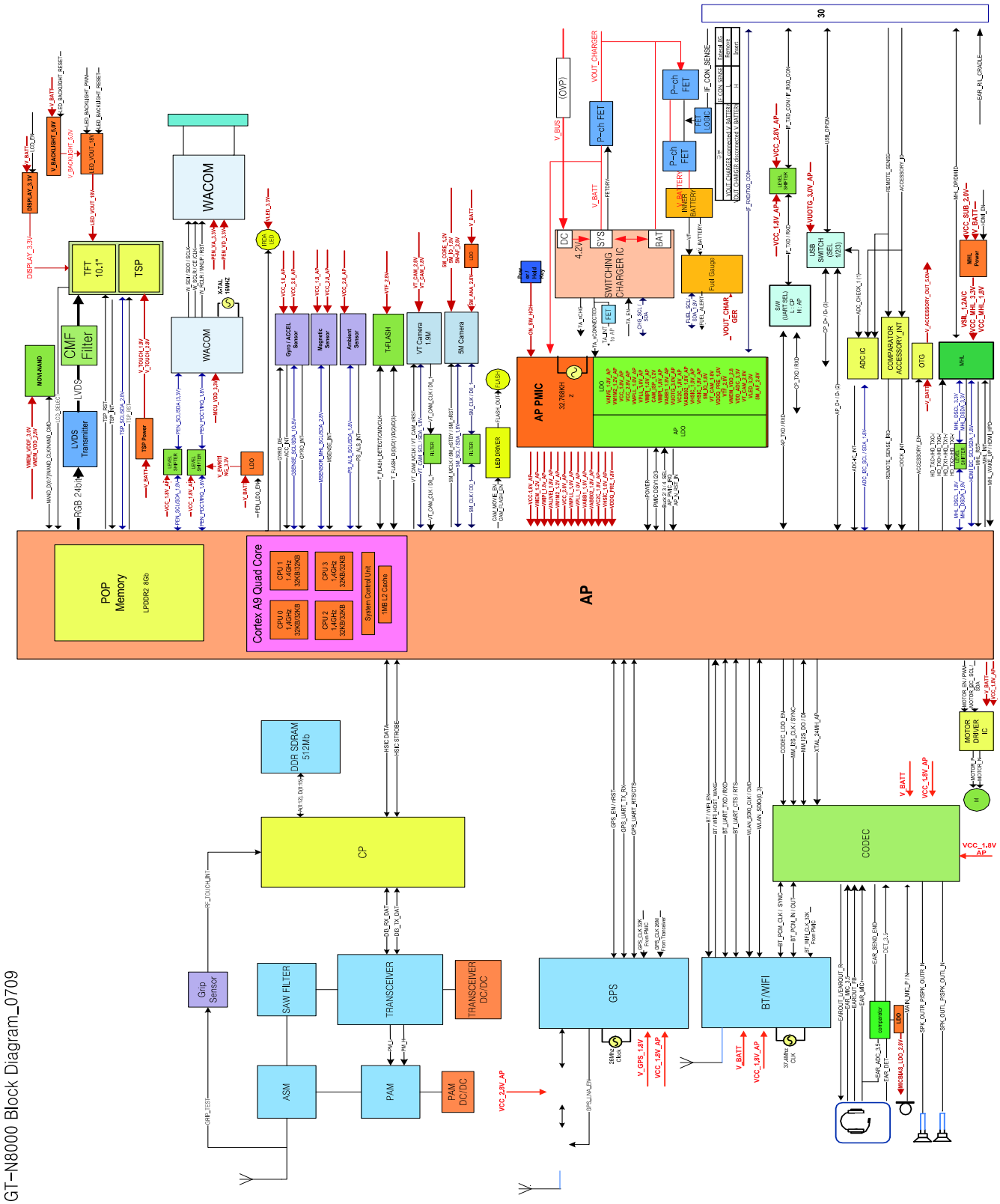
8. Level 3 Repair

8-1. Block Diagram



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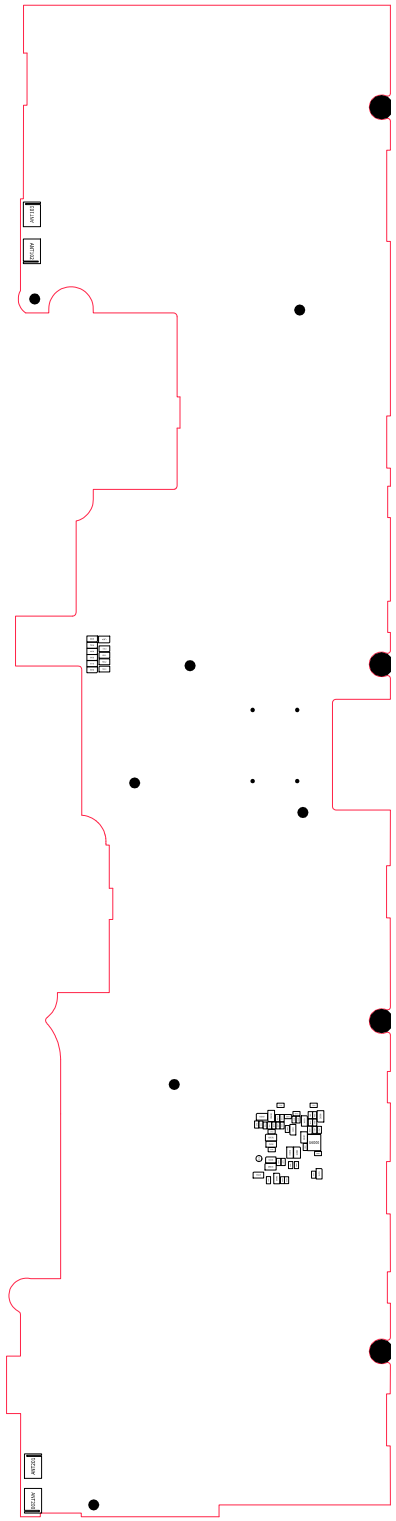
8-2. PCB Diagrams

8-2-1. Top



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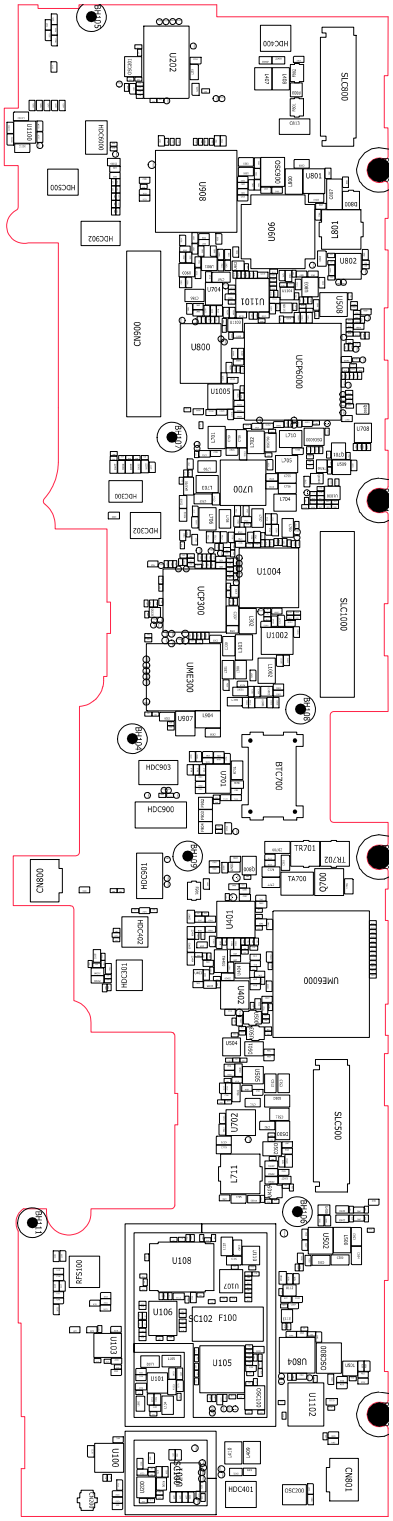
8-2-2. Bottom



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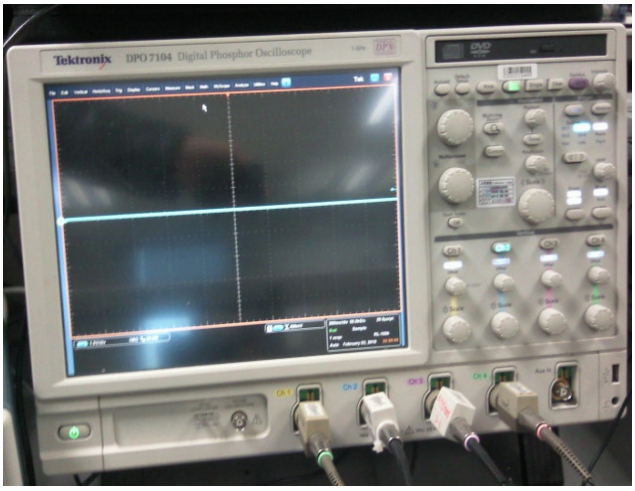
8-3. Flow Chart of Troubleshooting

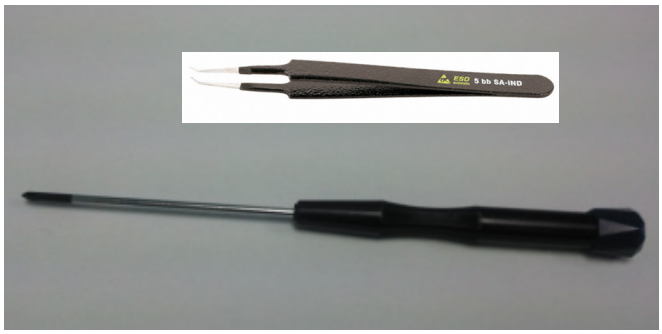
Equipments



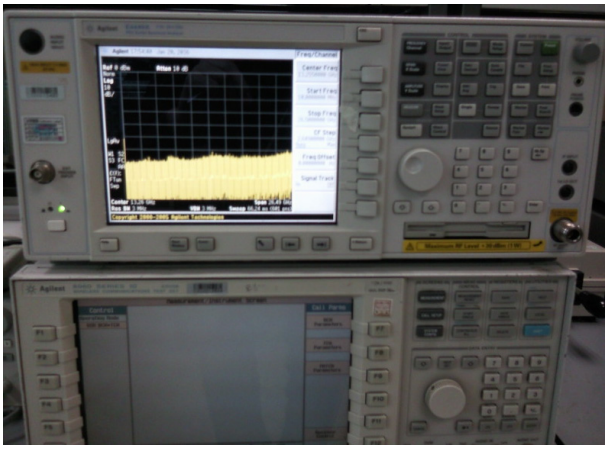
↑ Oscilloscope

↑ Digital Multimeter

↑ Power Supply



↑ + driver, ESD Safe Tweezer



↑ 8960 & Spectrum Analyzer

↑ Soldering iron

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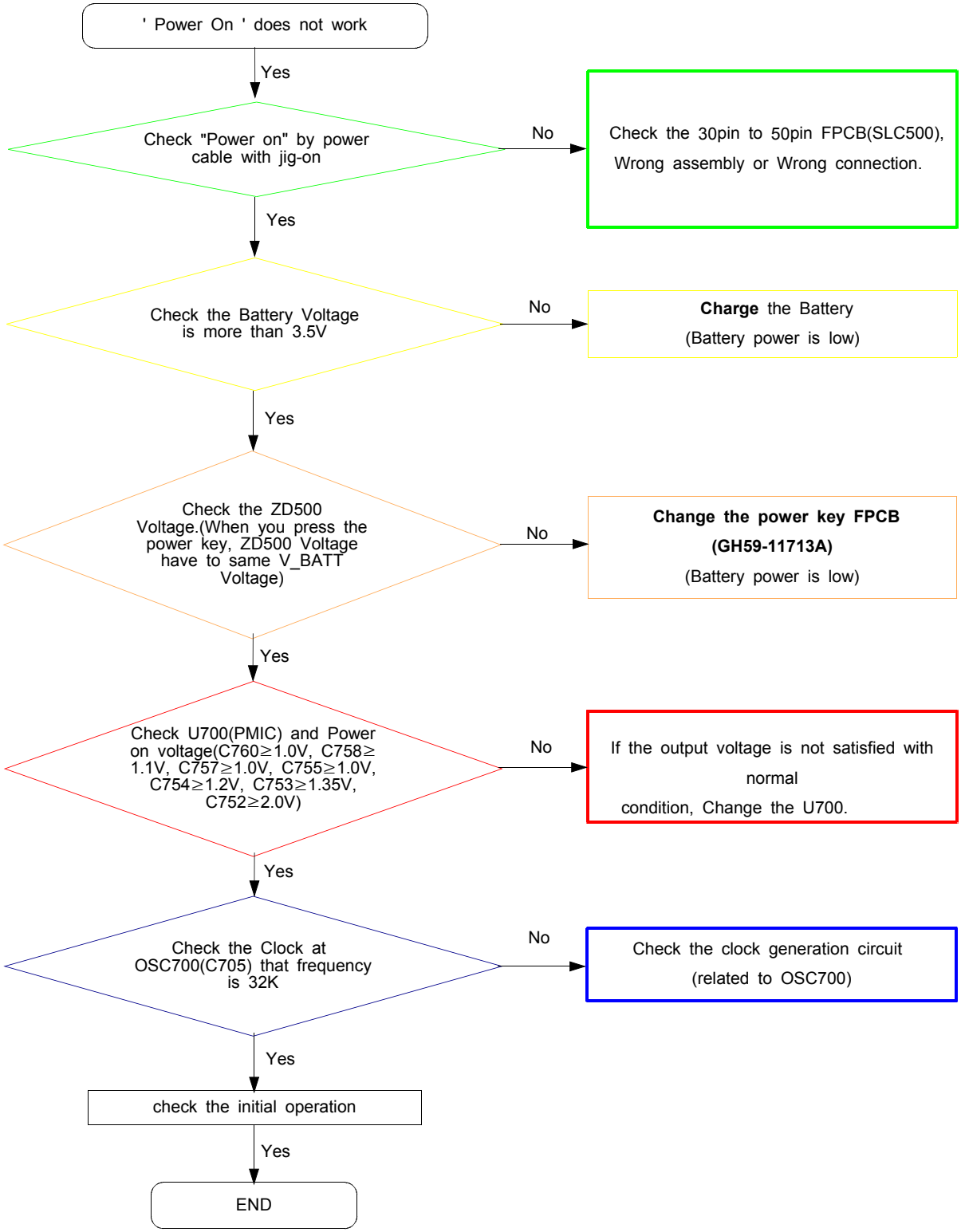
8-3-1. Power On



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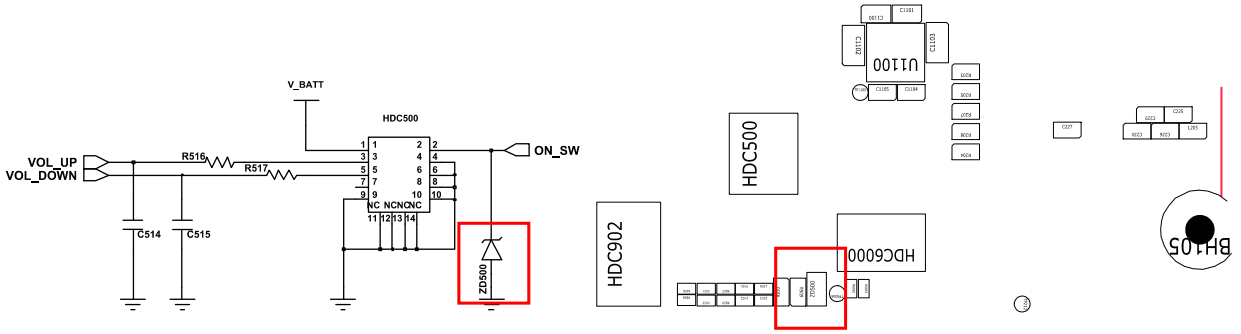

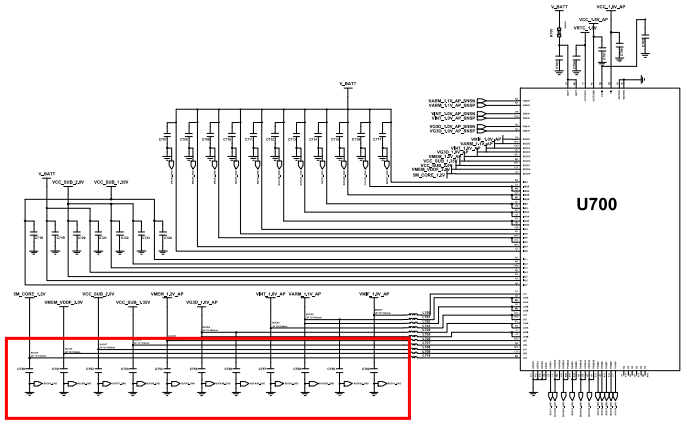

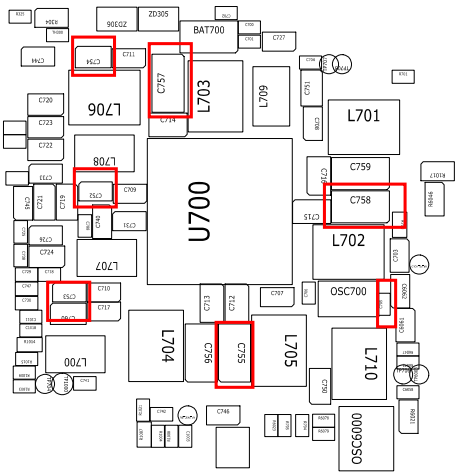

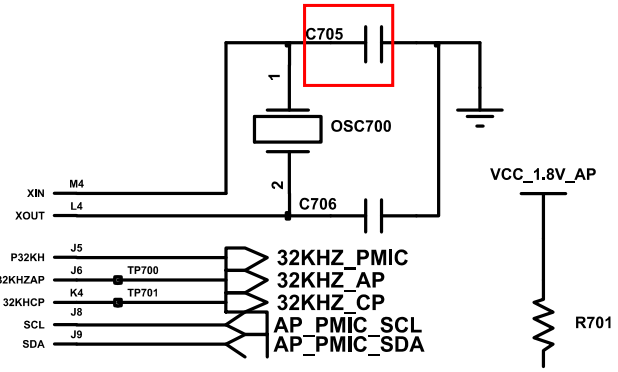

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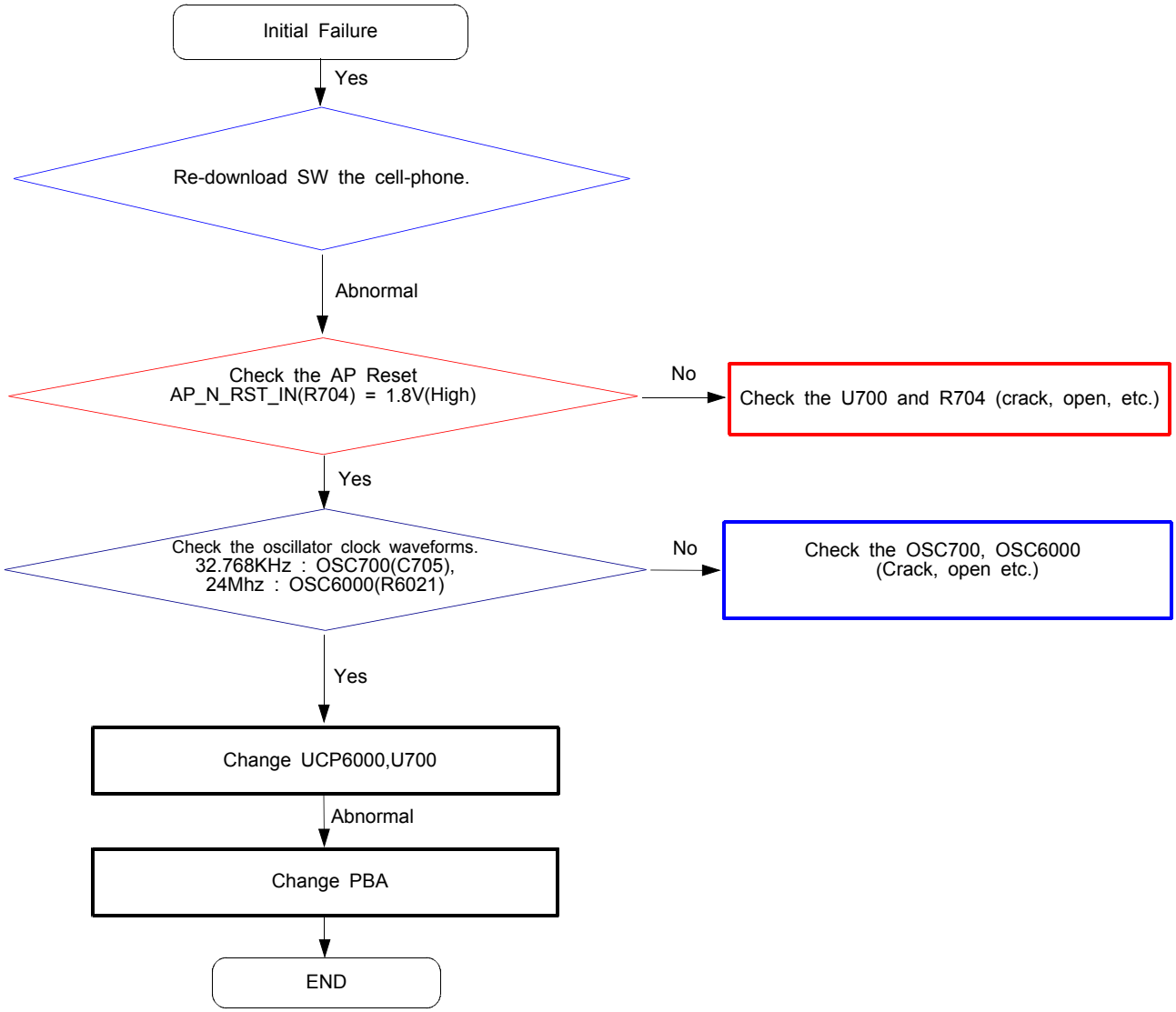
8-3-2. Initial



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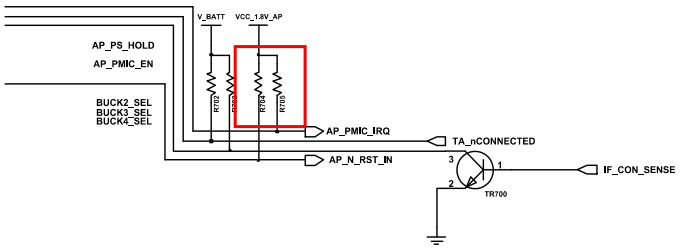

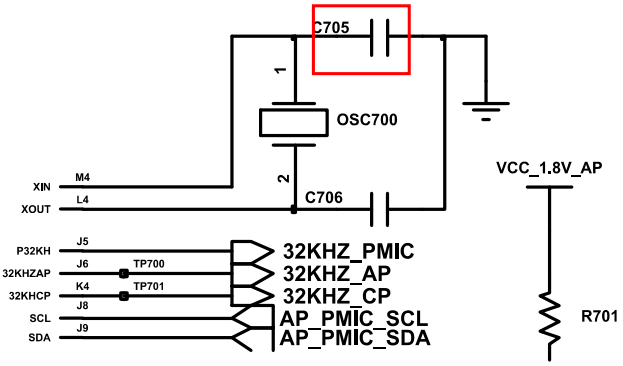

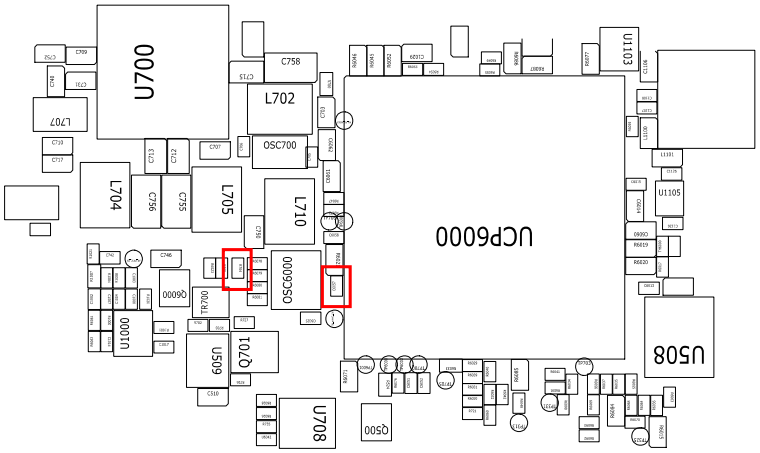

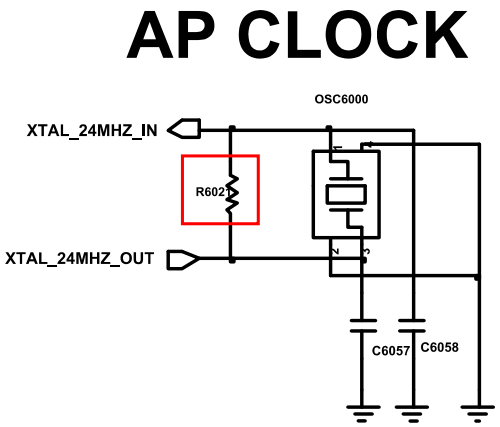

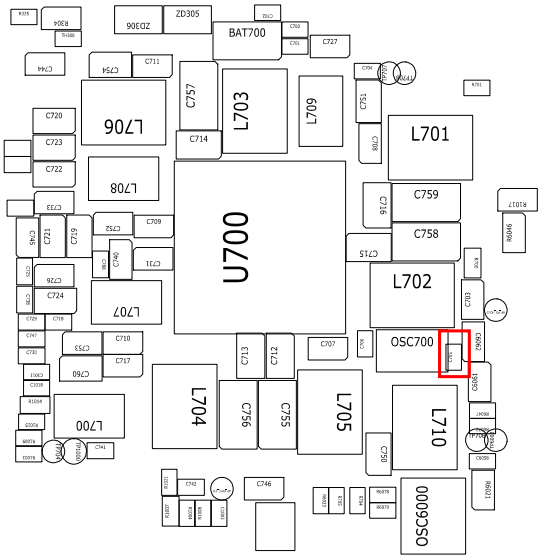

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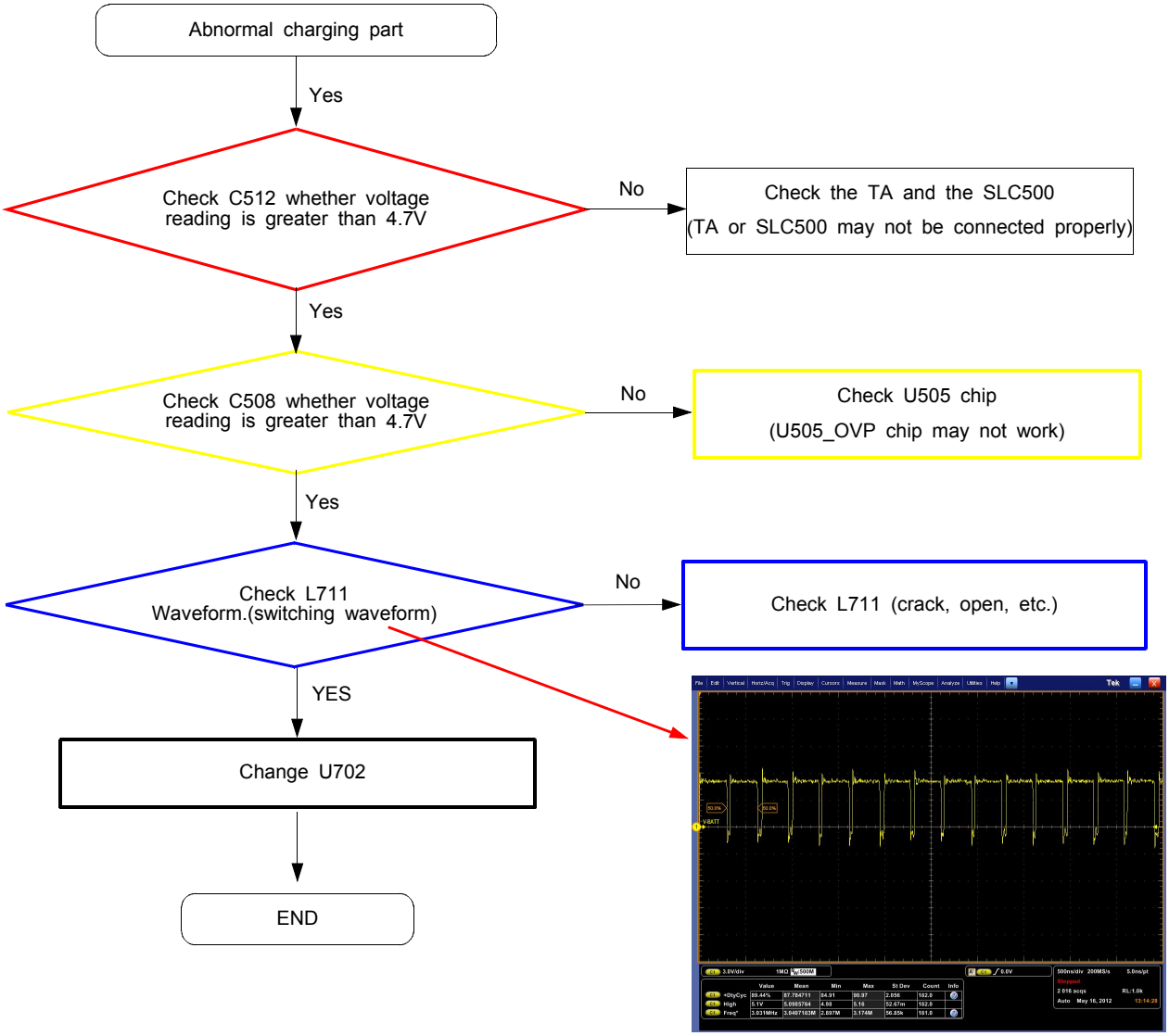
8-3-3. Charging Part



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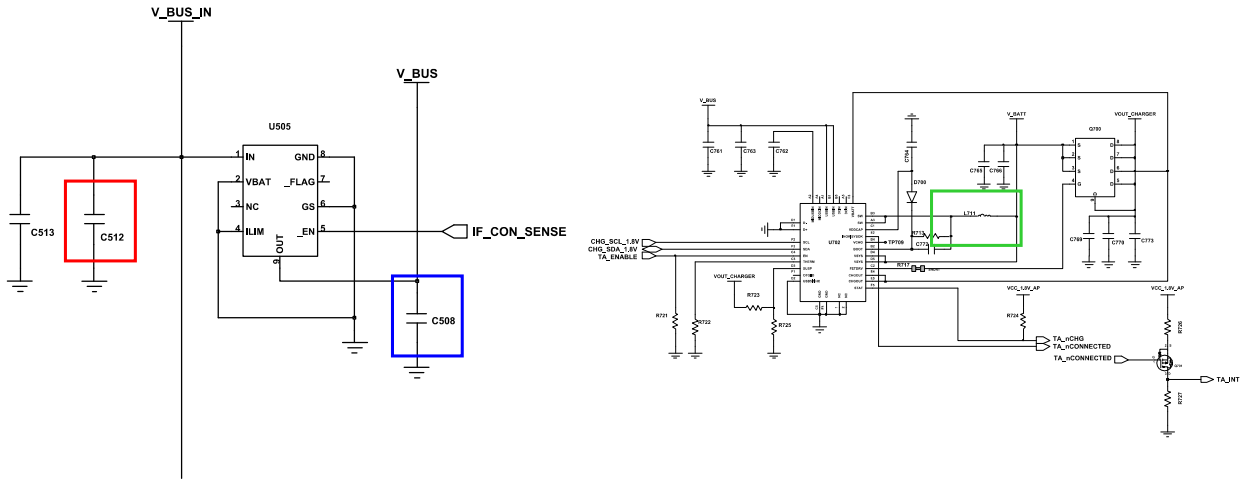

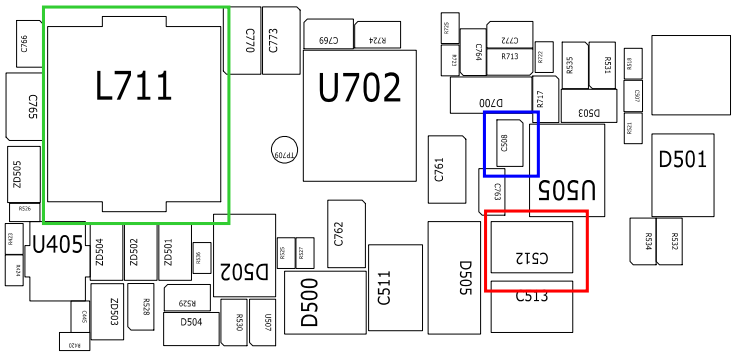

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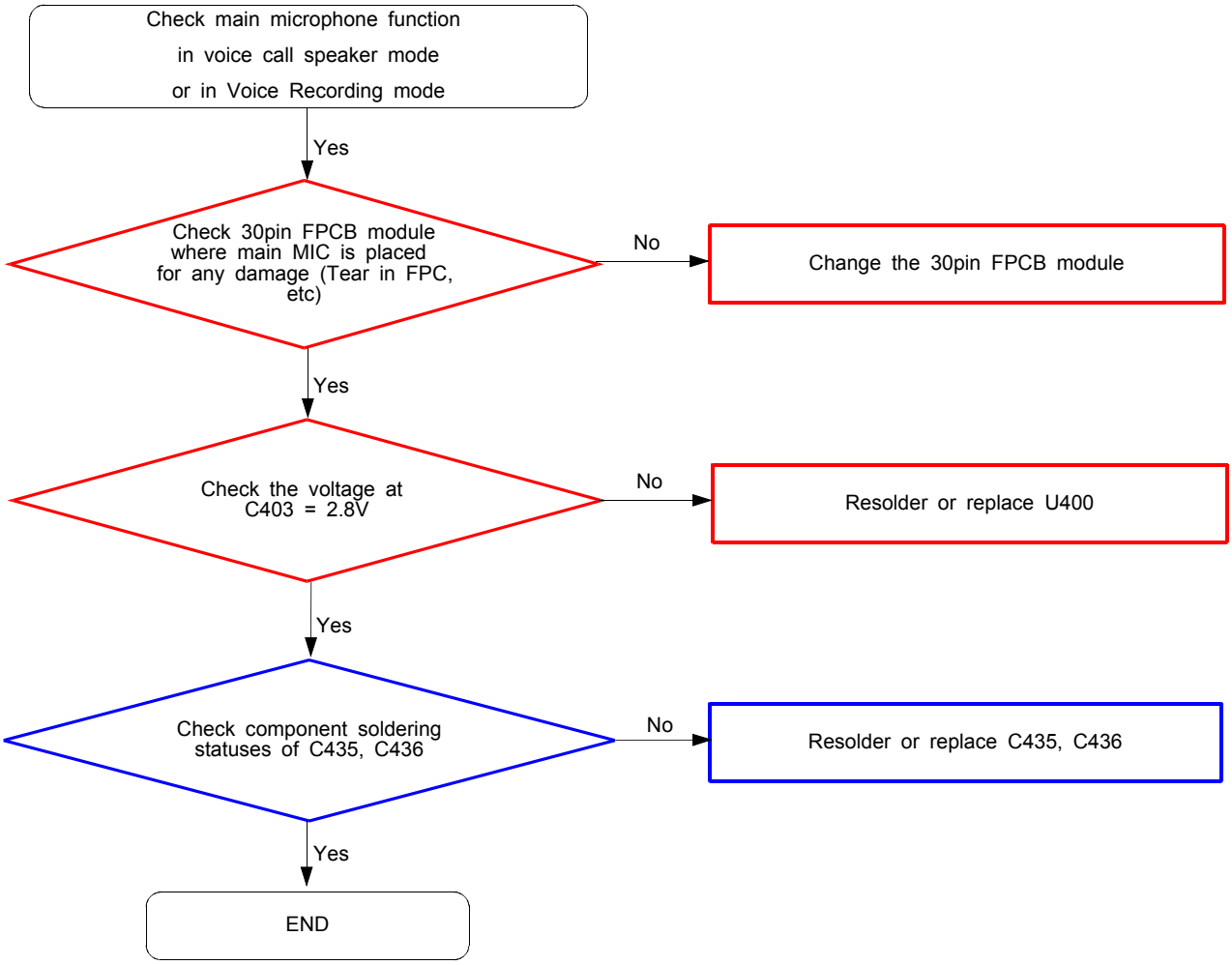
8-3-4. Microphone Part



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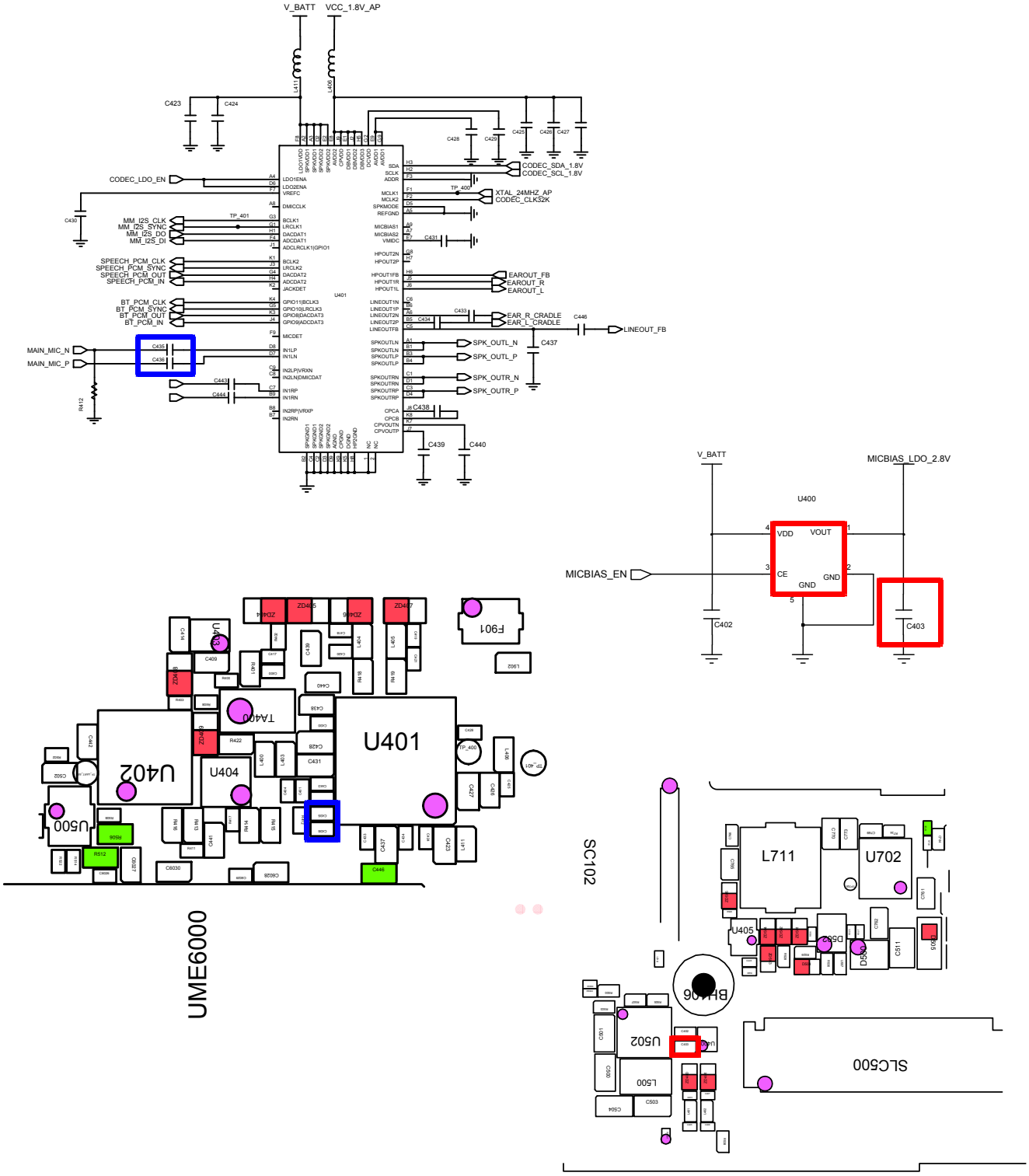

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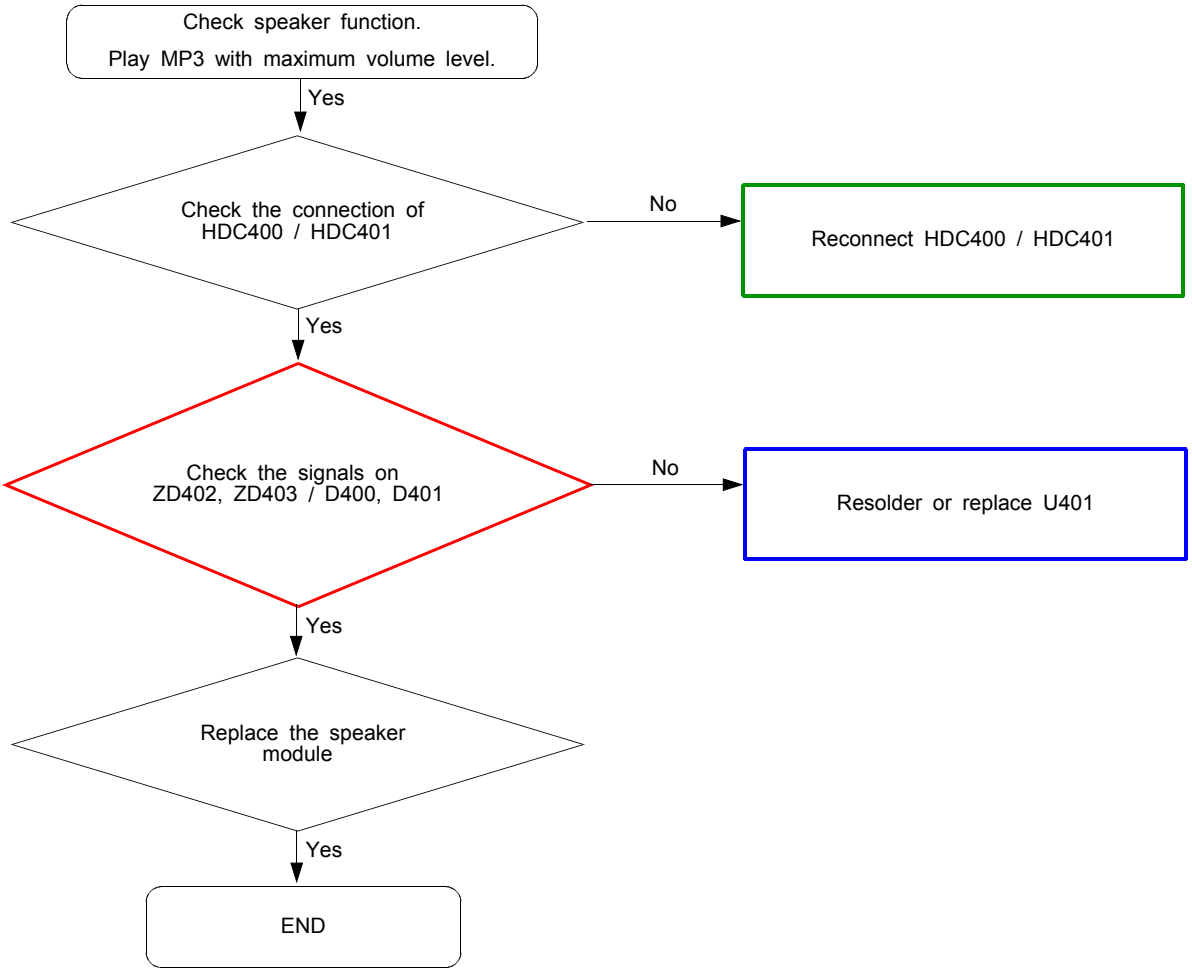
8-3-5. Speaker Part



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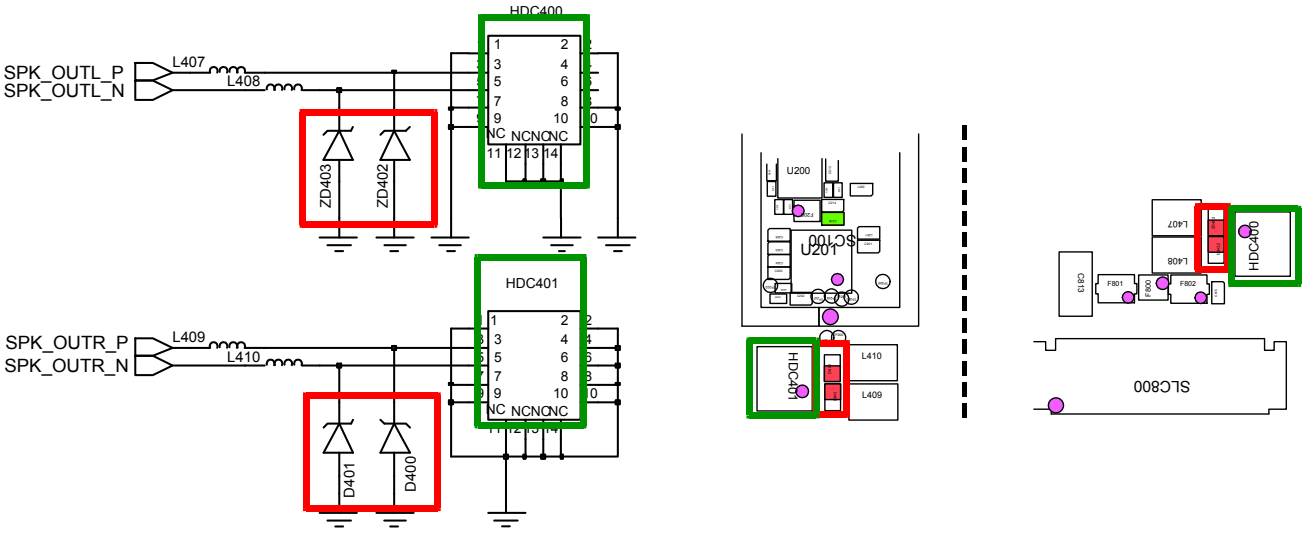

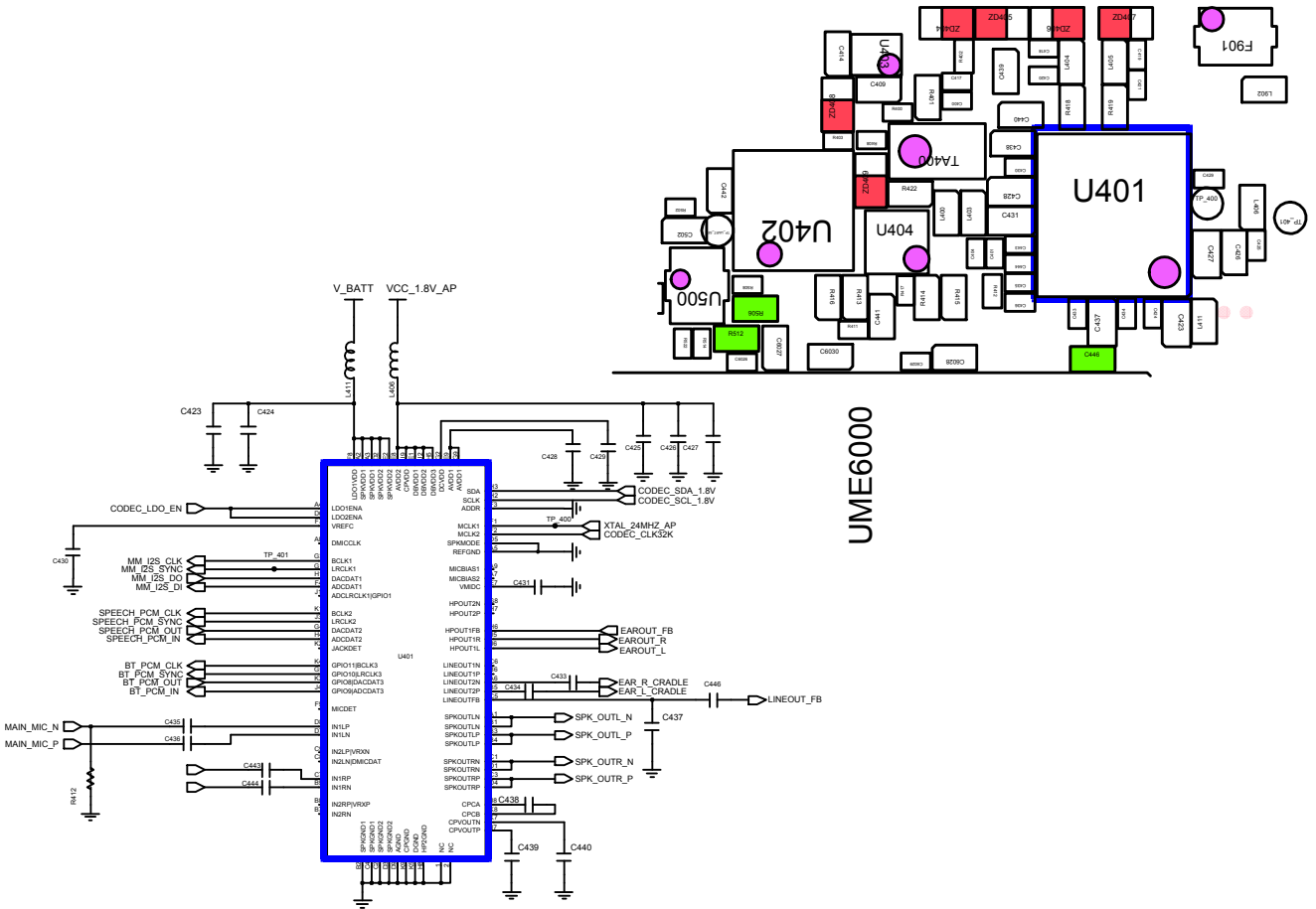

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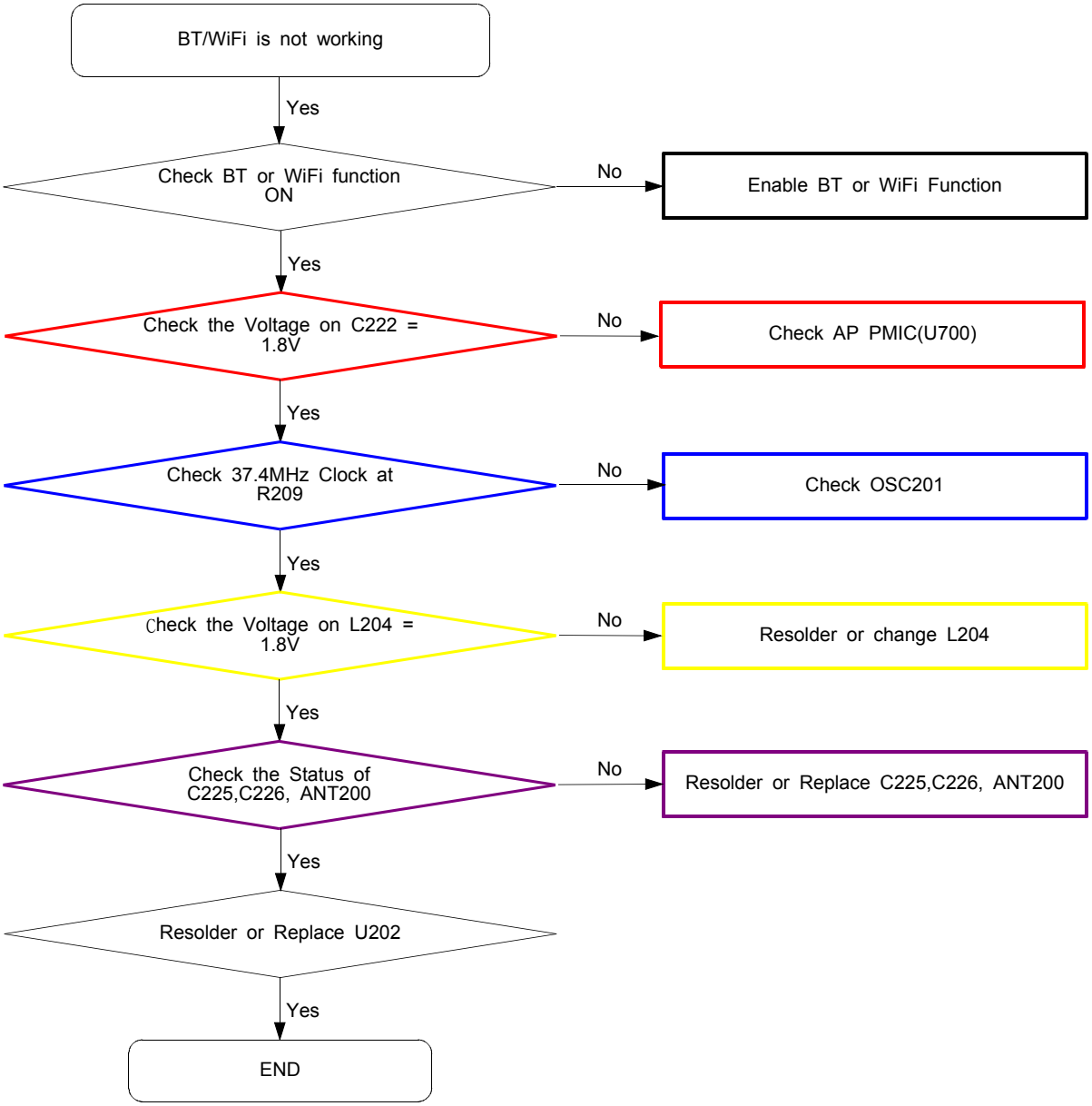
8-3-6. BT/WIFI



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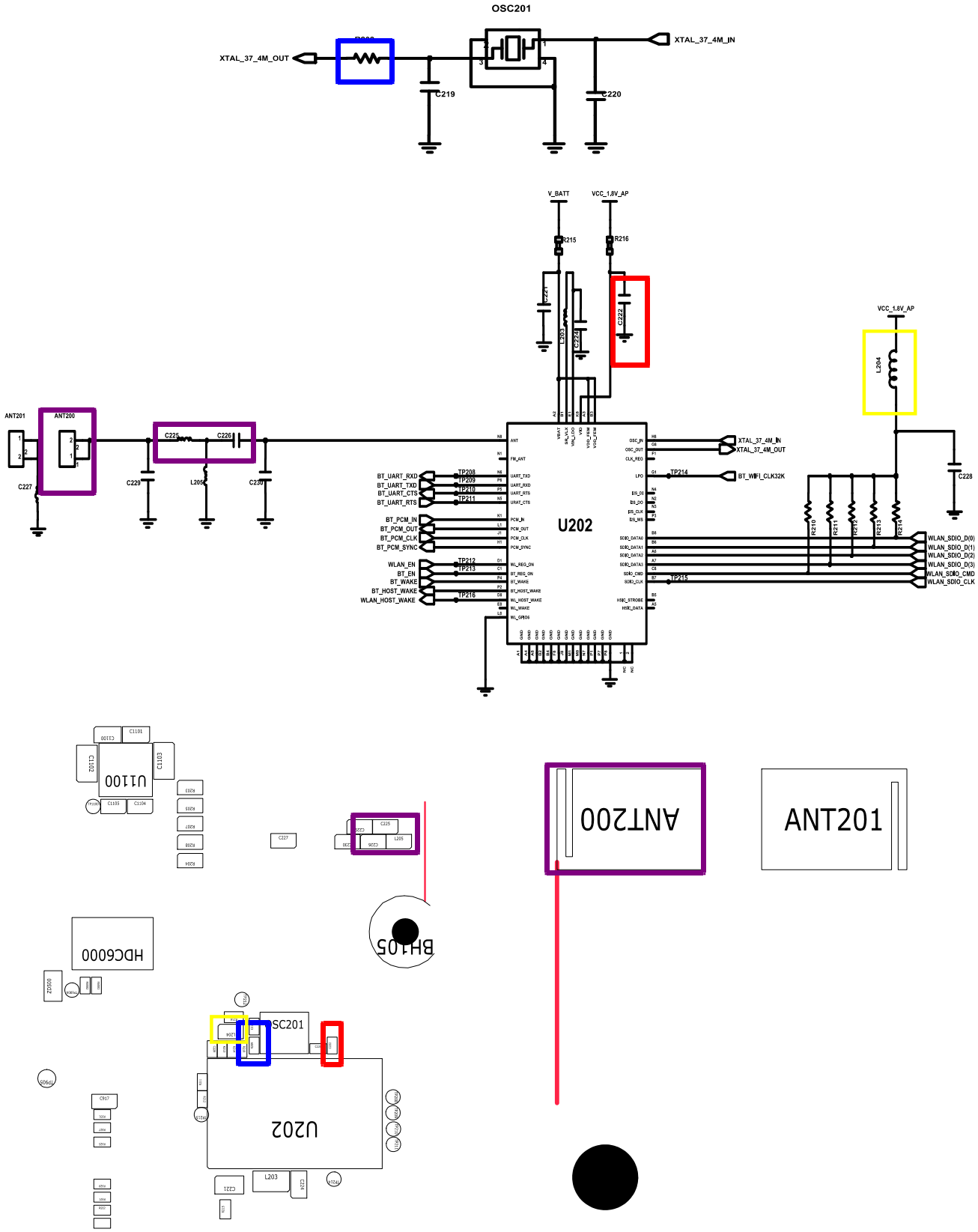

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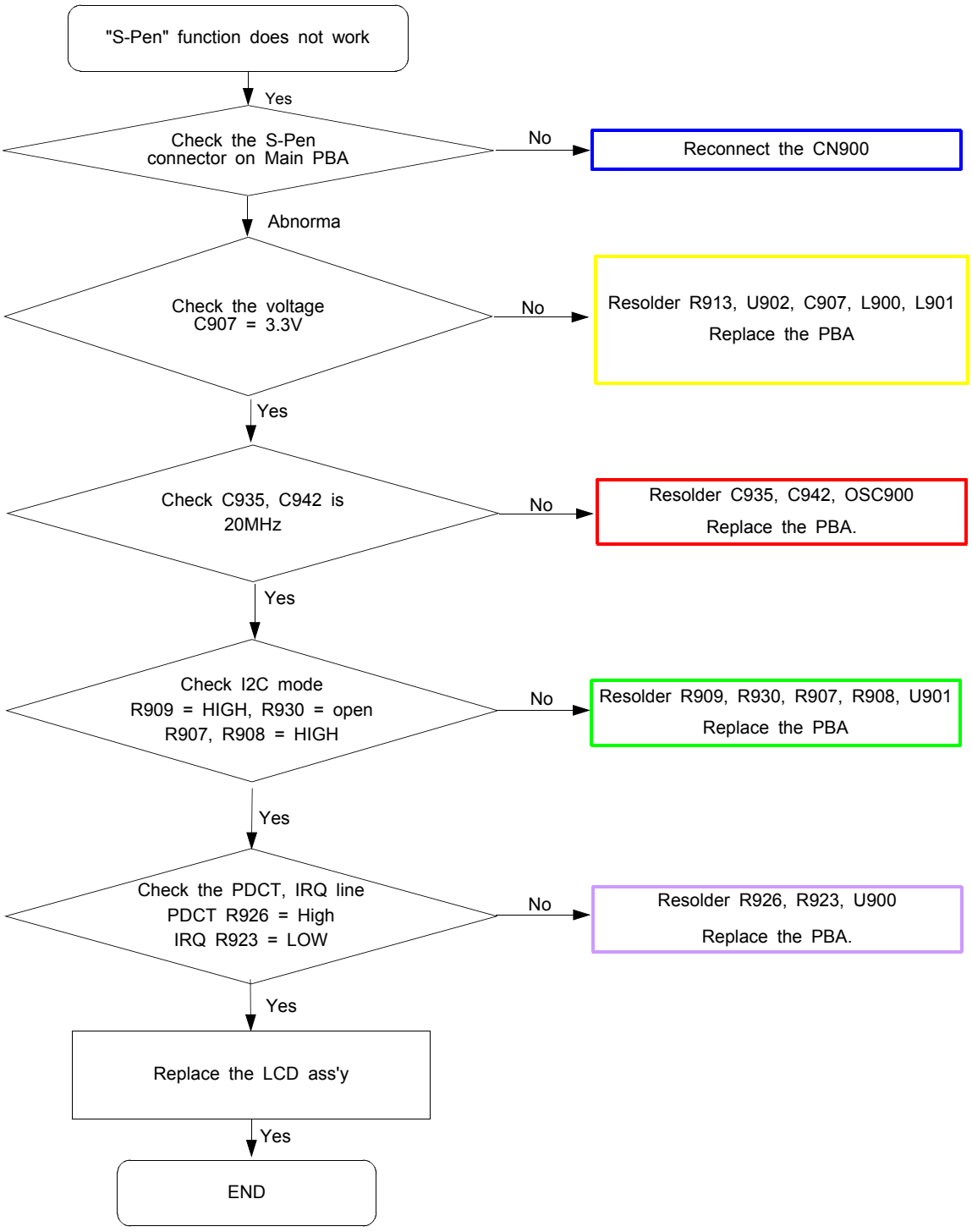
8-3-7. S-Pen



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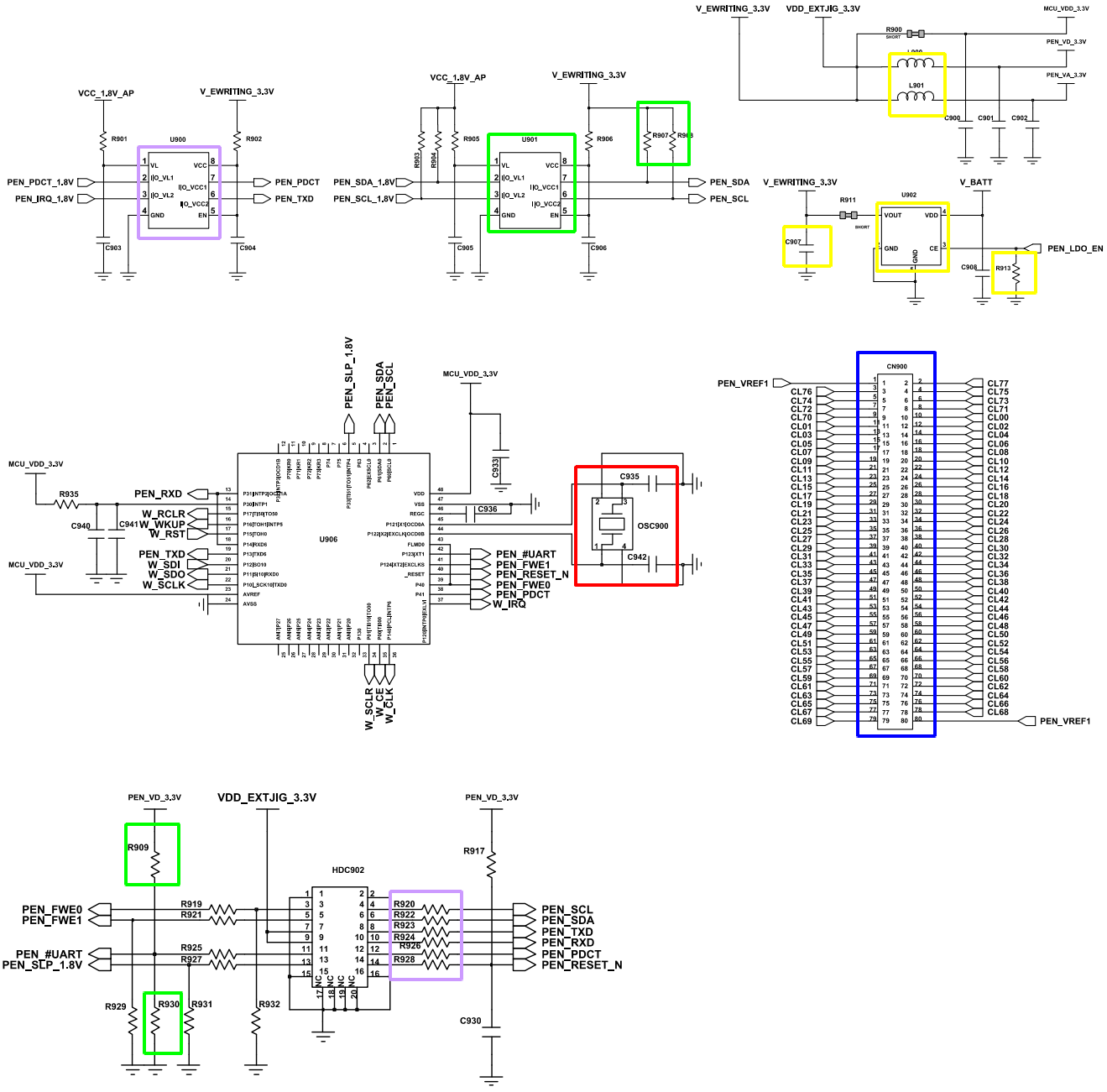

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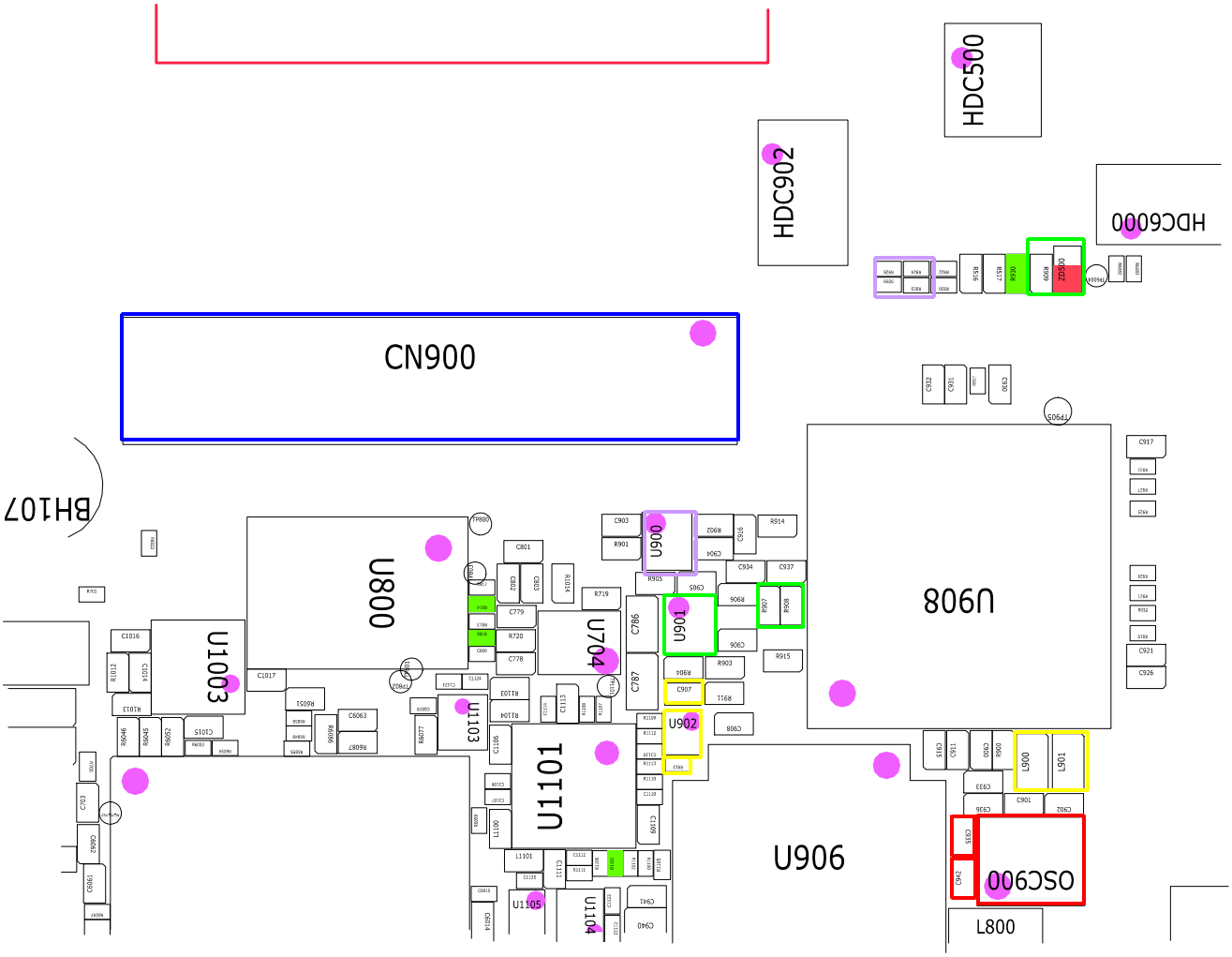

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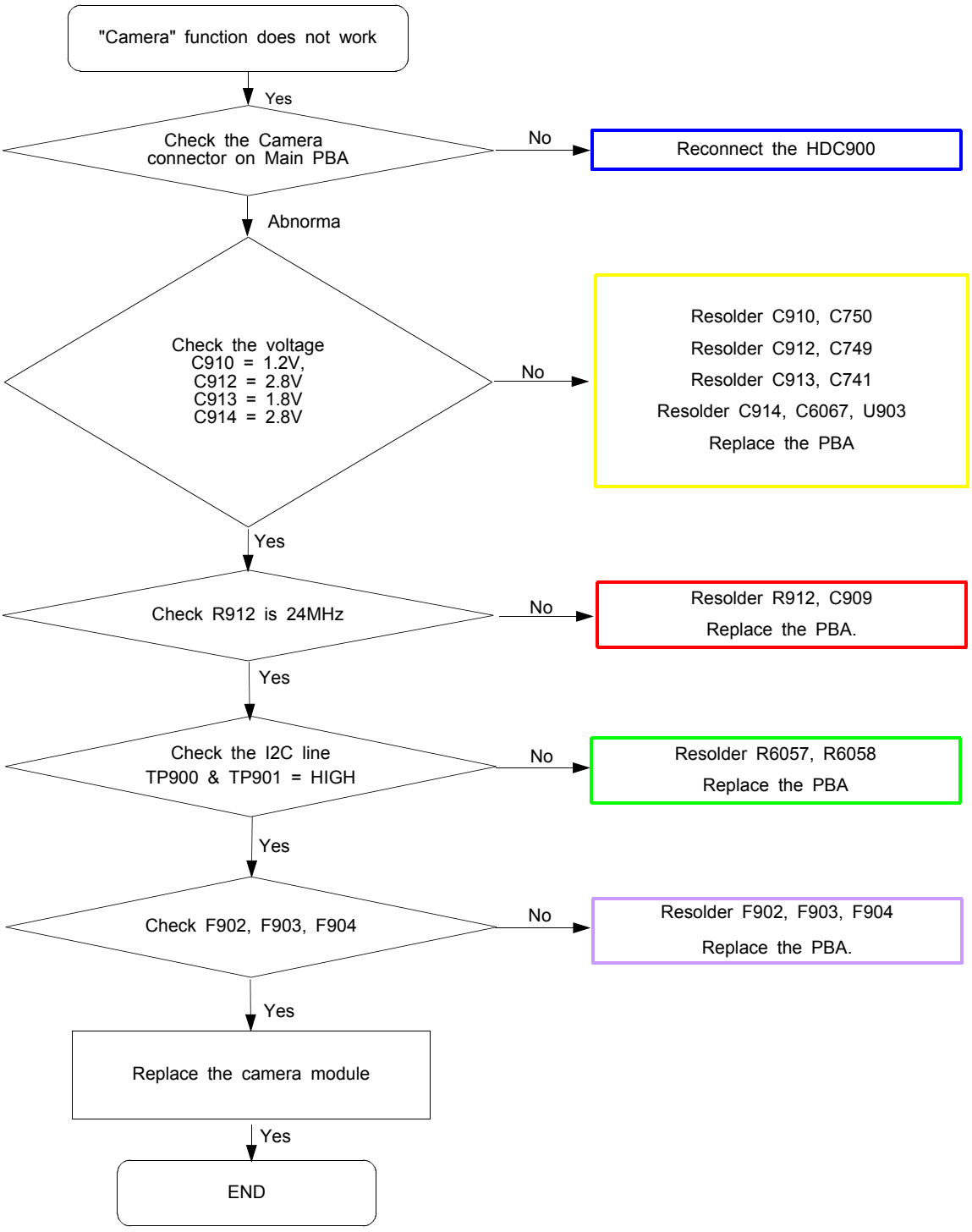
8-3-8. 5M CAM



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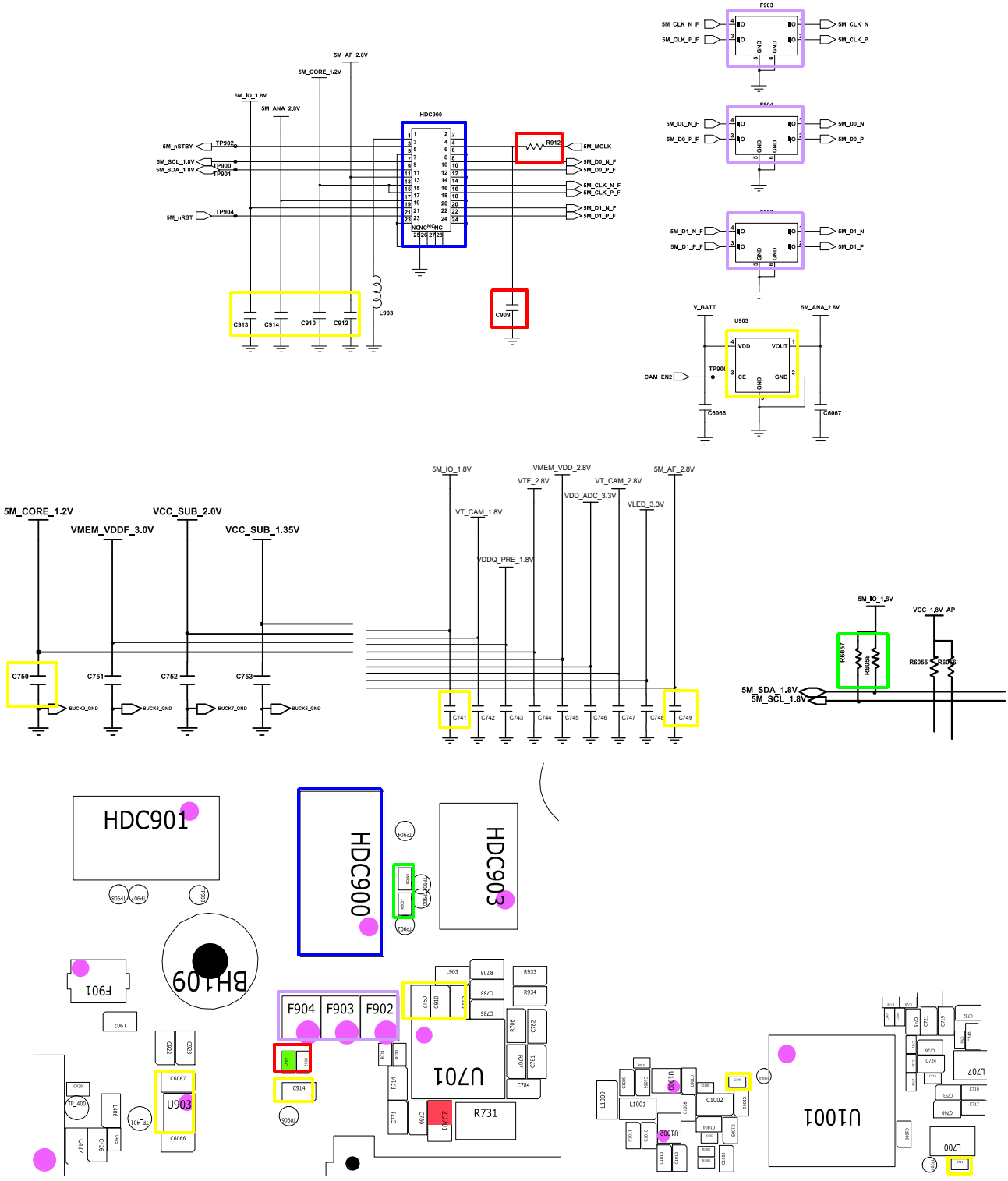

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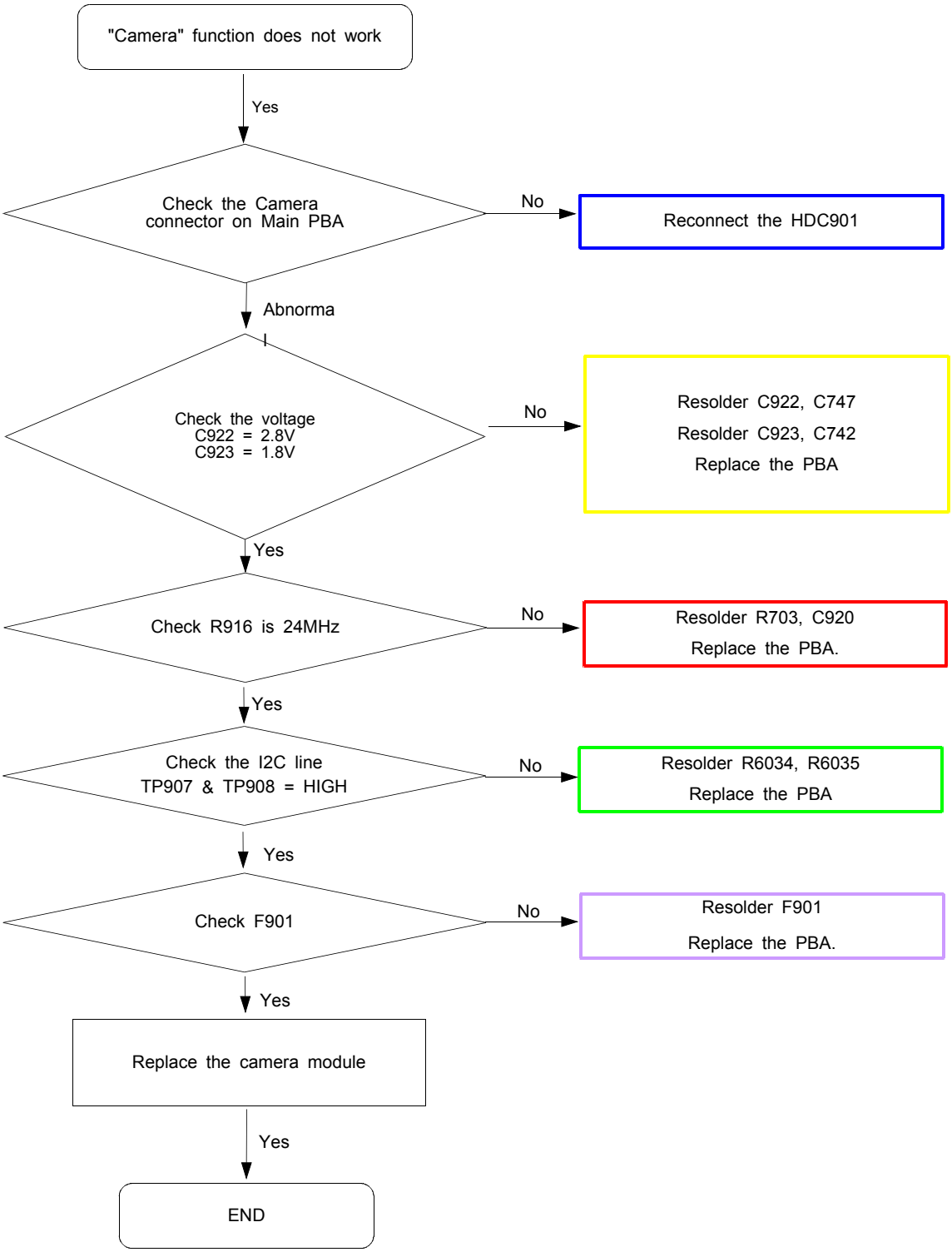
8-3-9. 1.9M CAM



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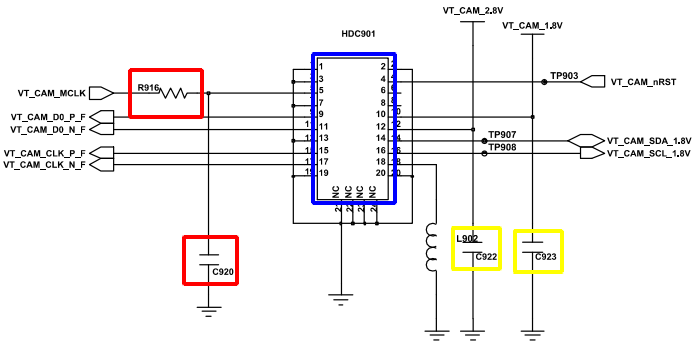

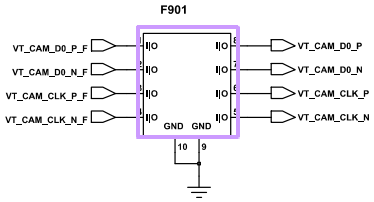

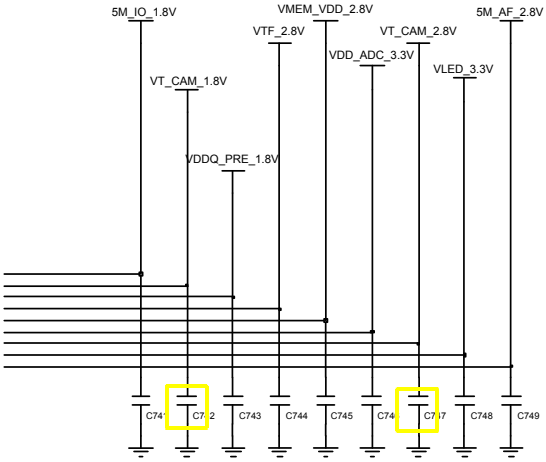

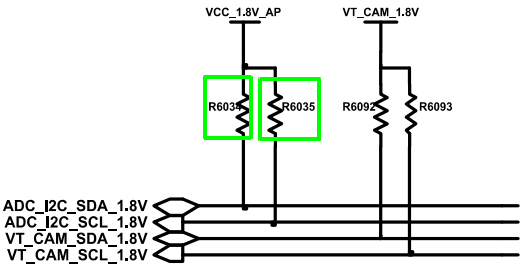

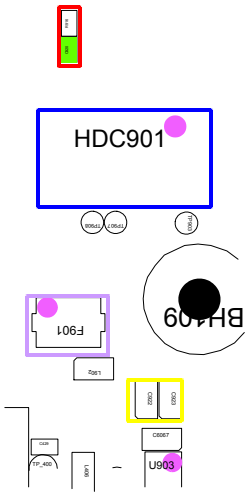

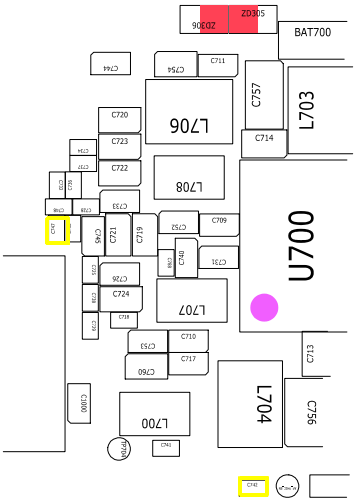

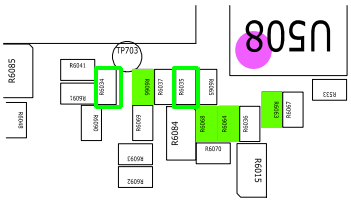

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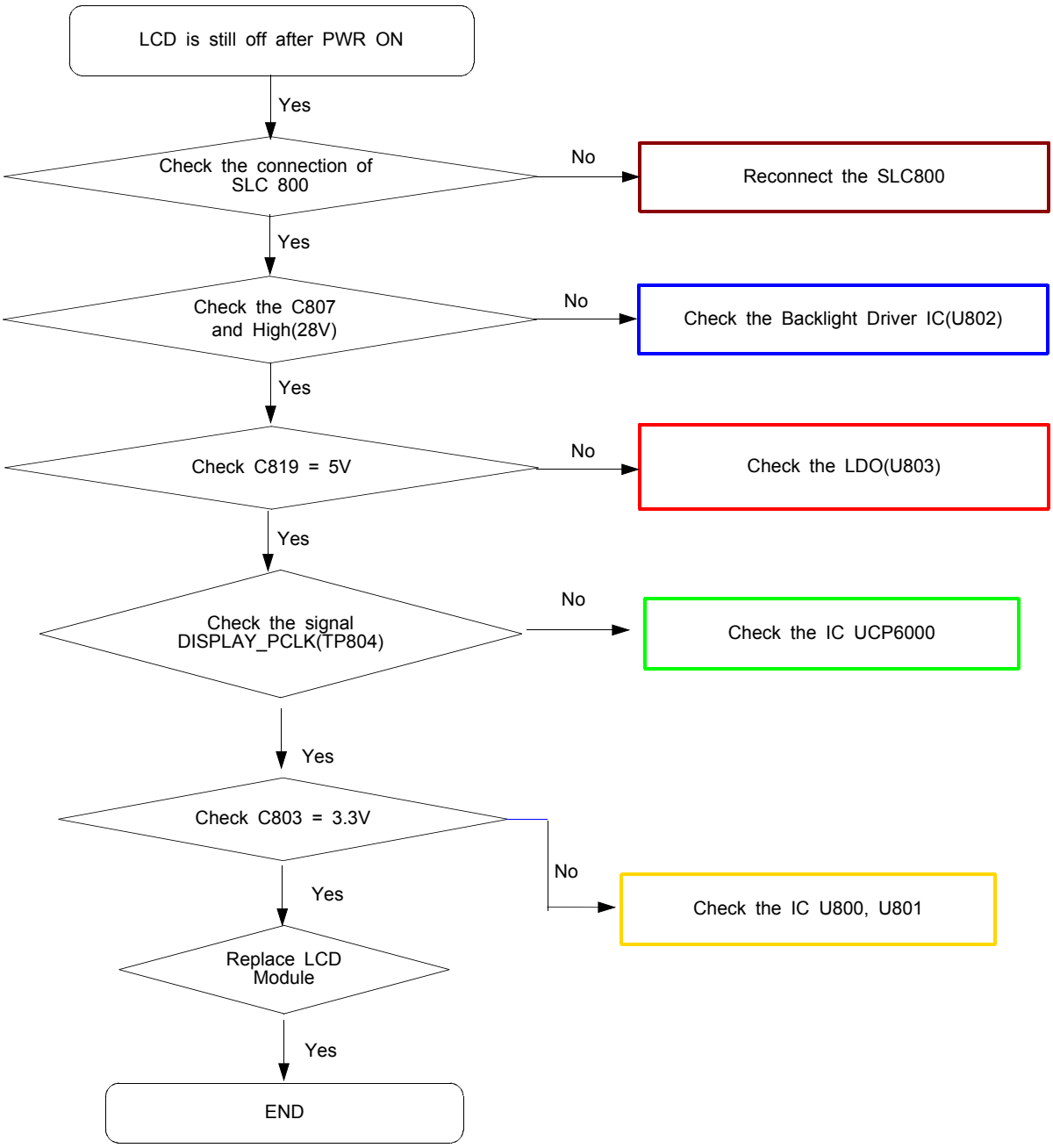
8-3-10. LCD



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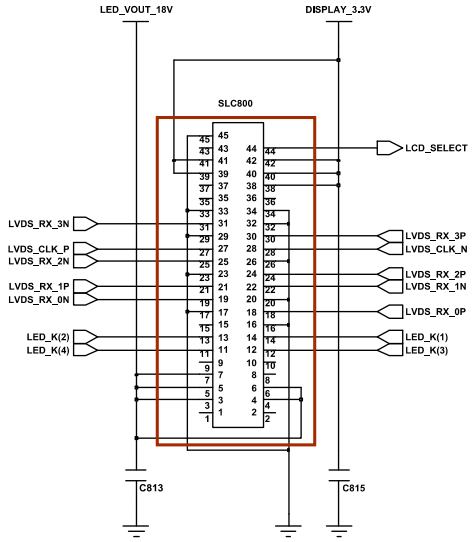

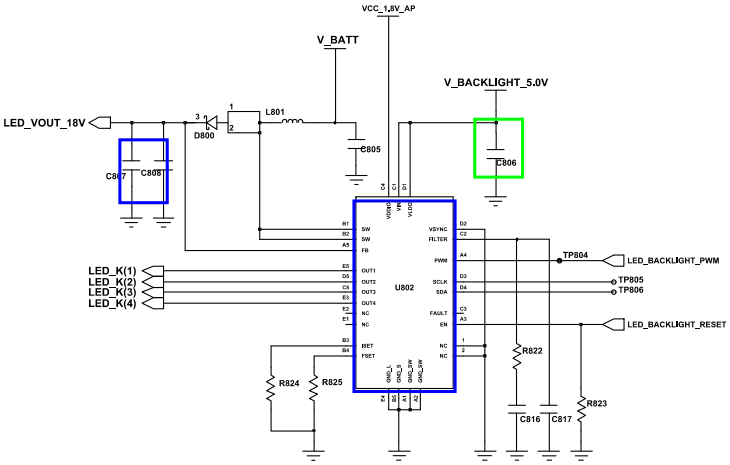

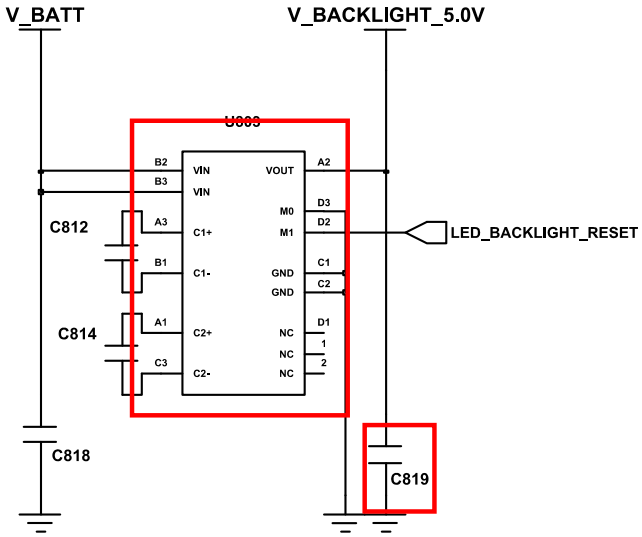

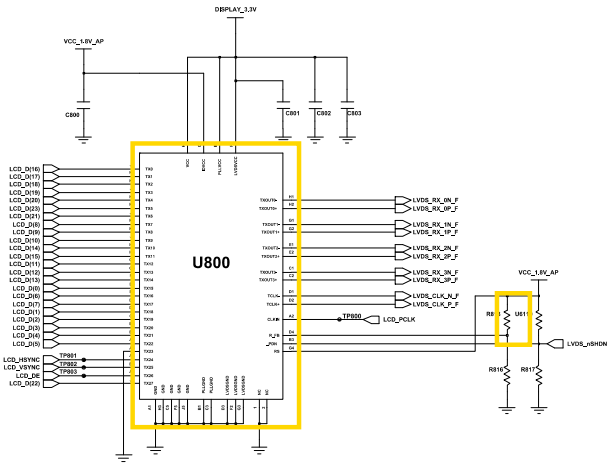

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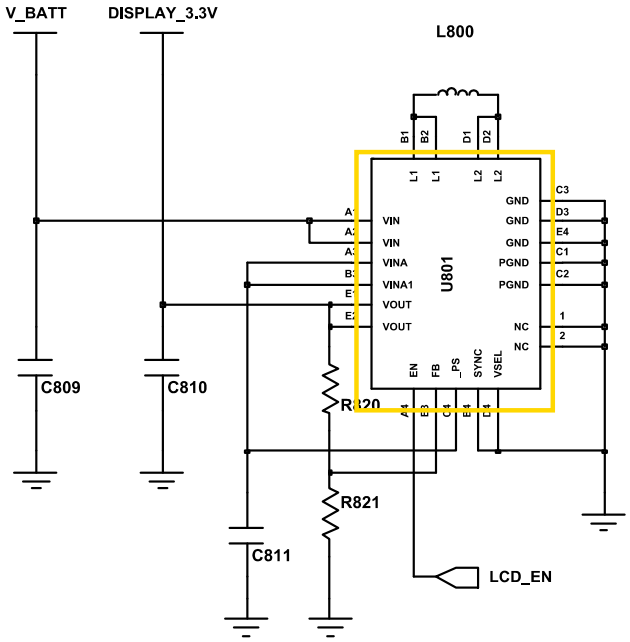

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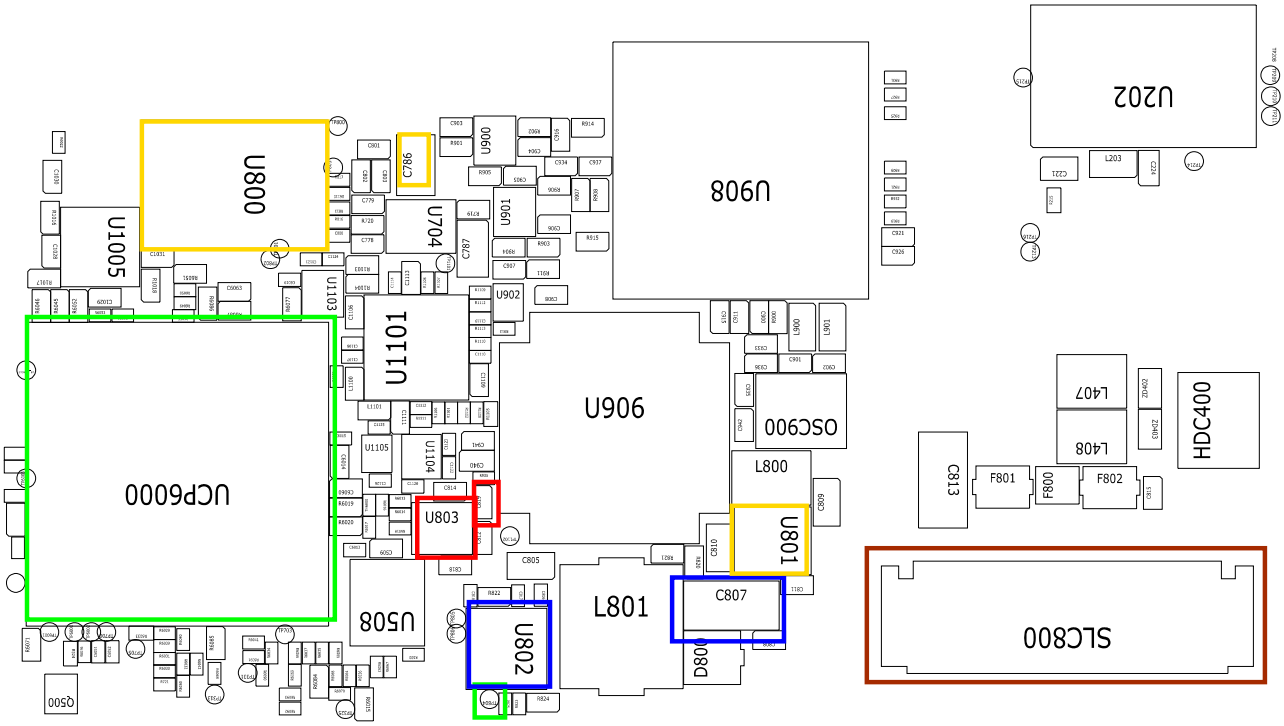

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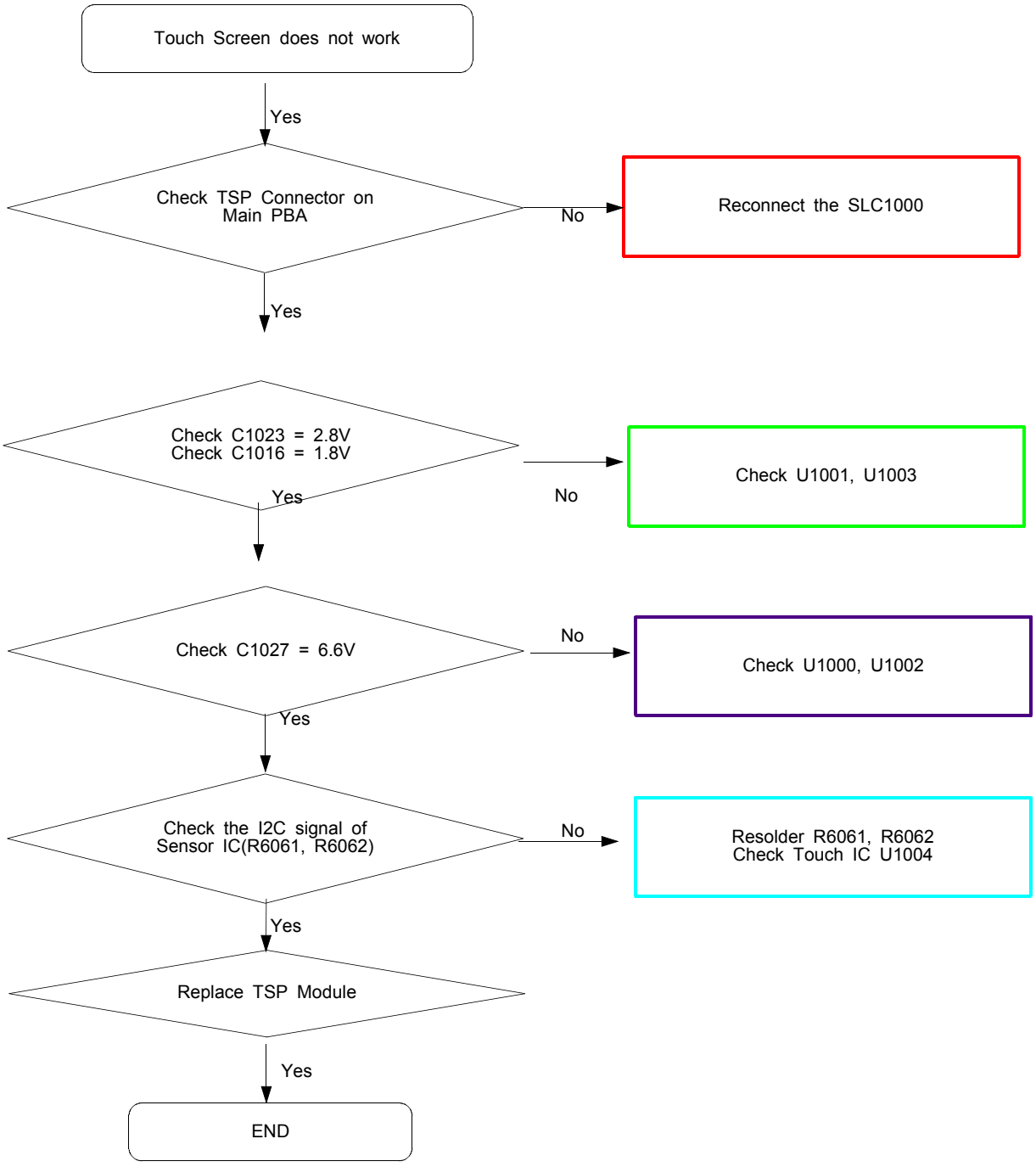
8-3-11. TSP



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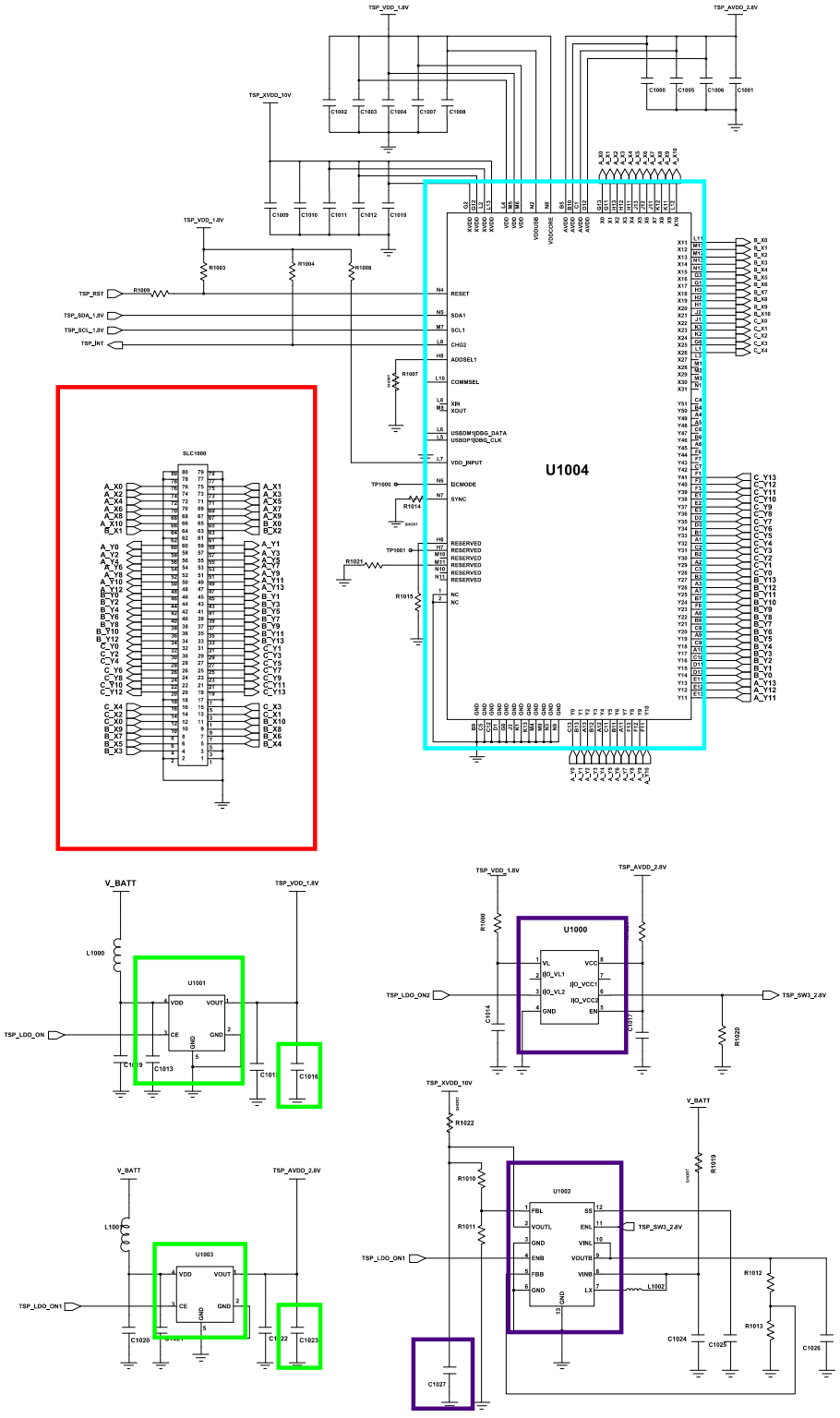

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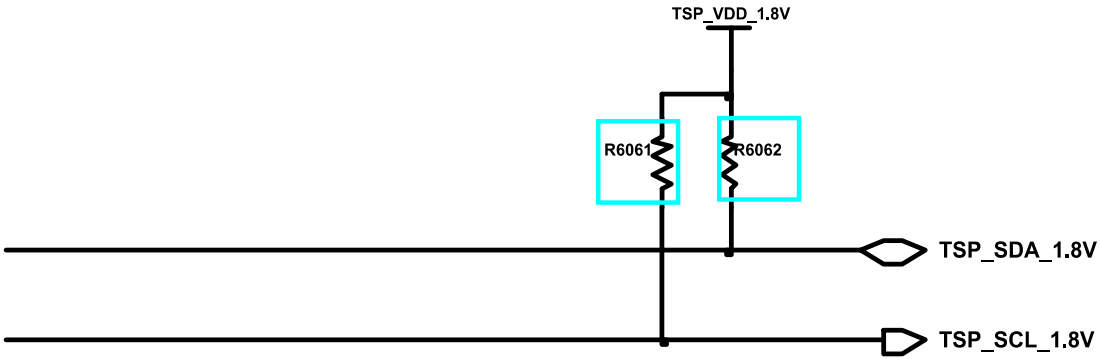

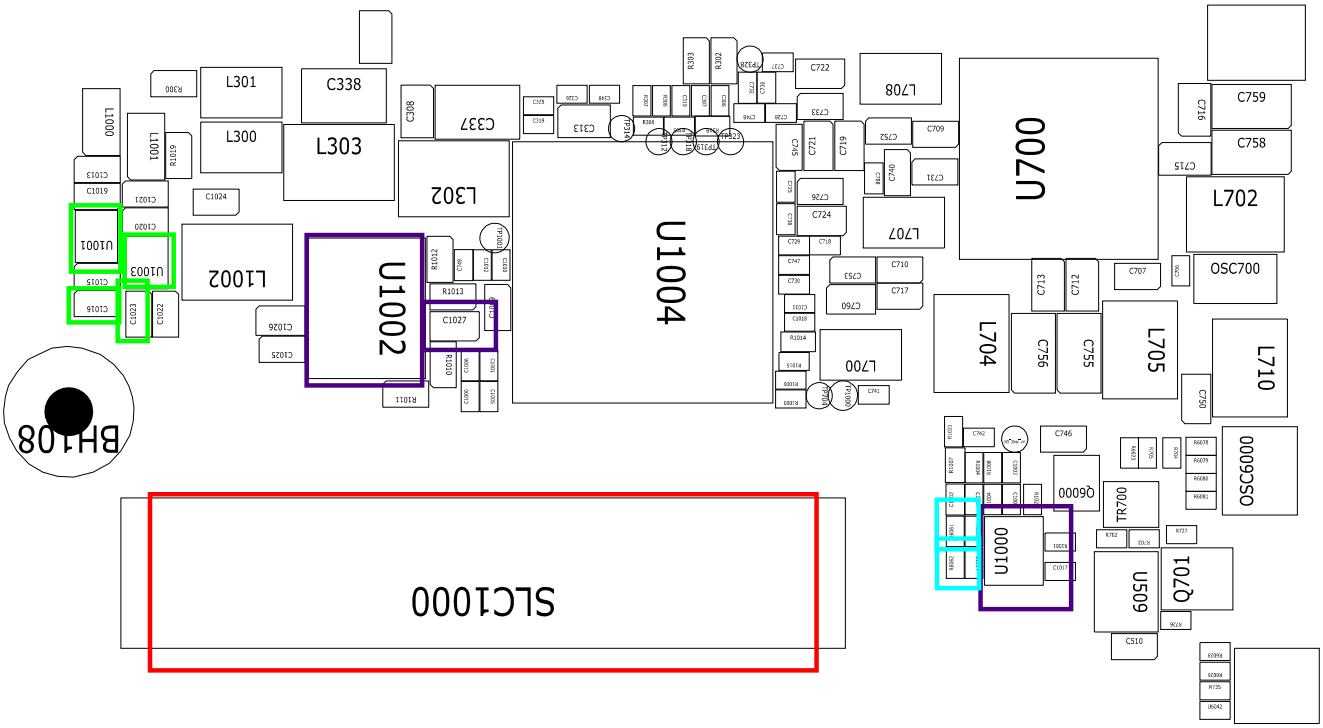

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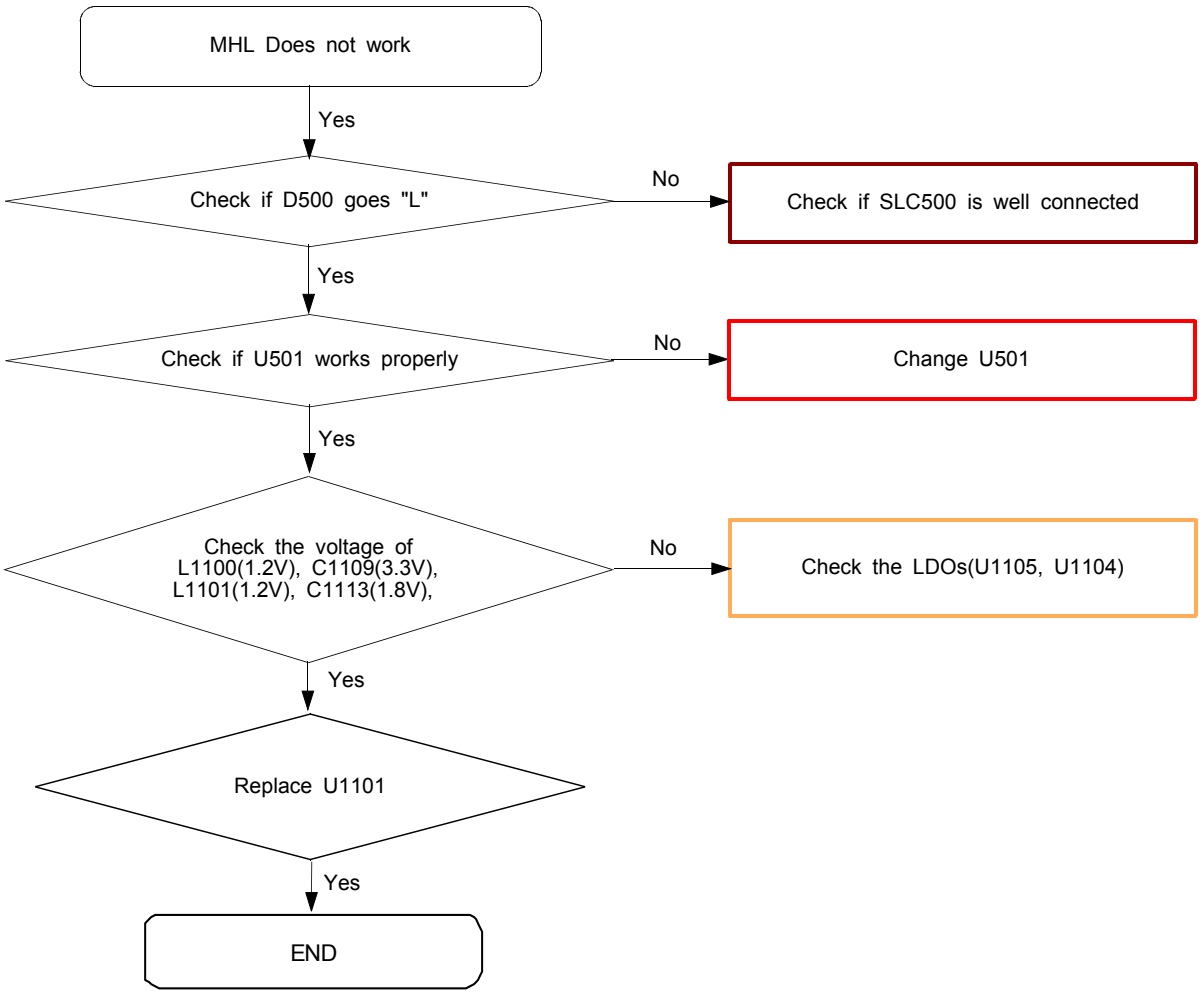
8-3-12. MHL



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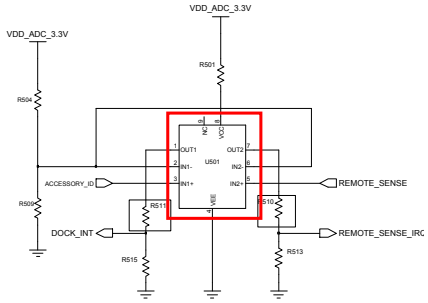

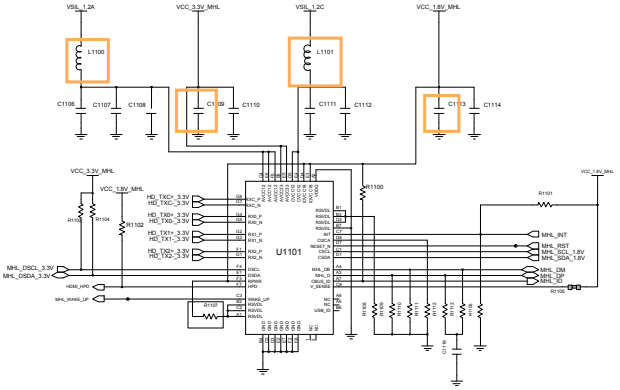

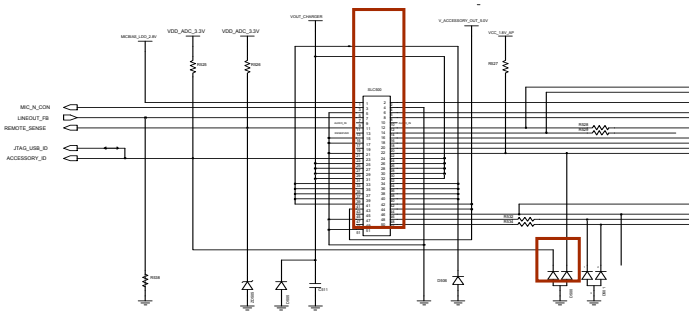

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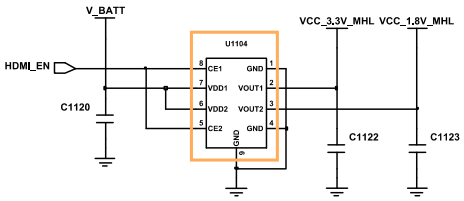

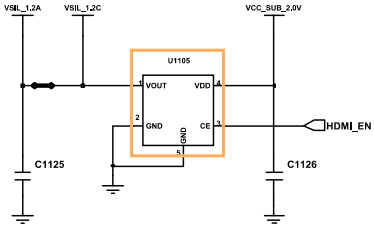

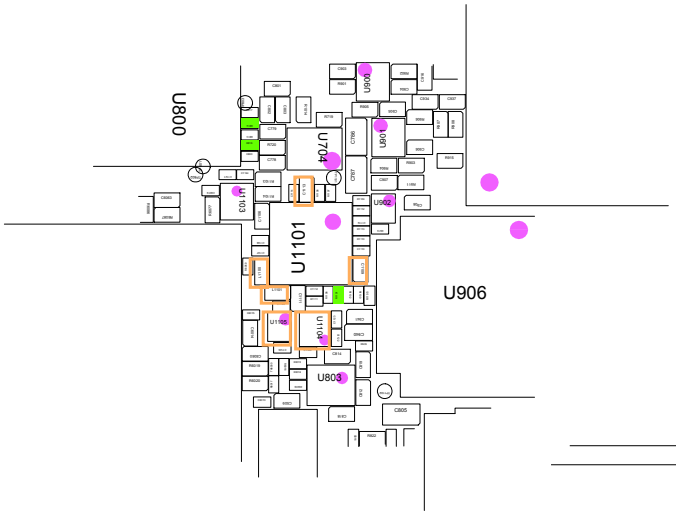

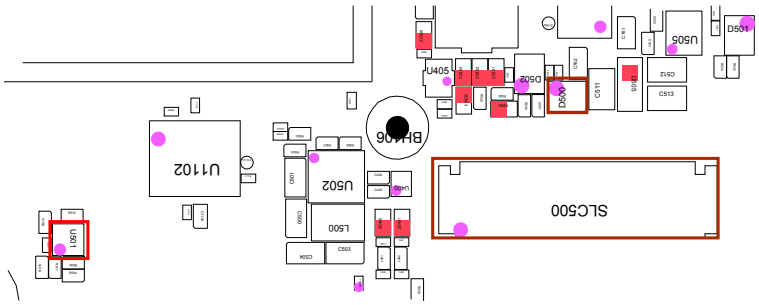

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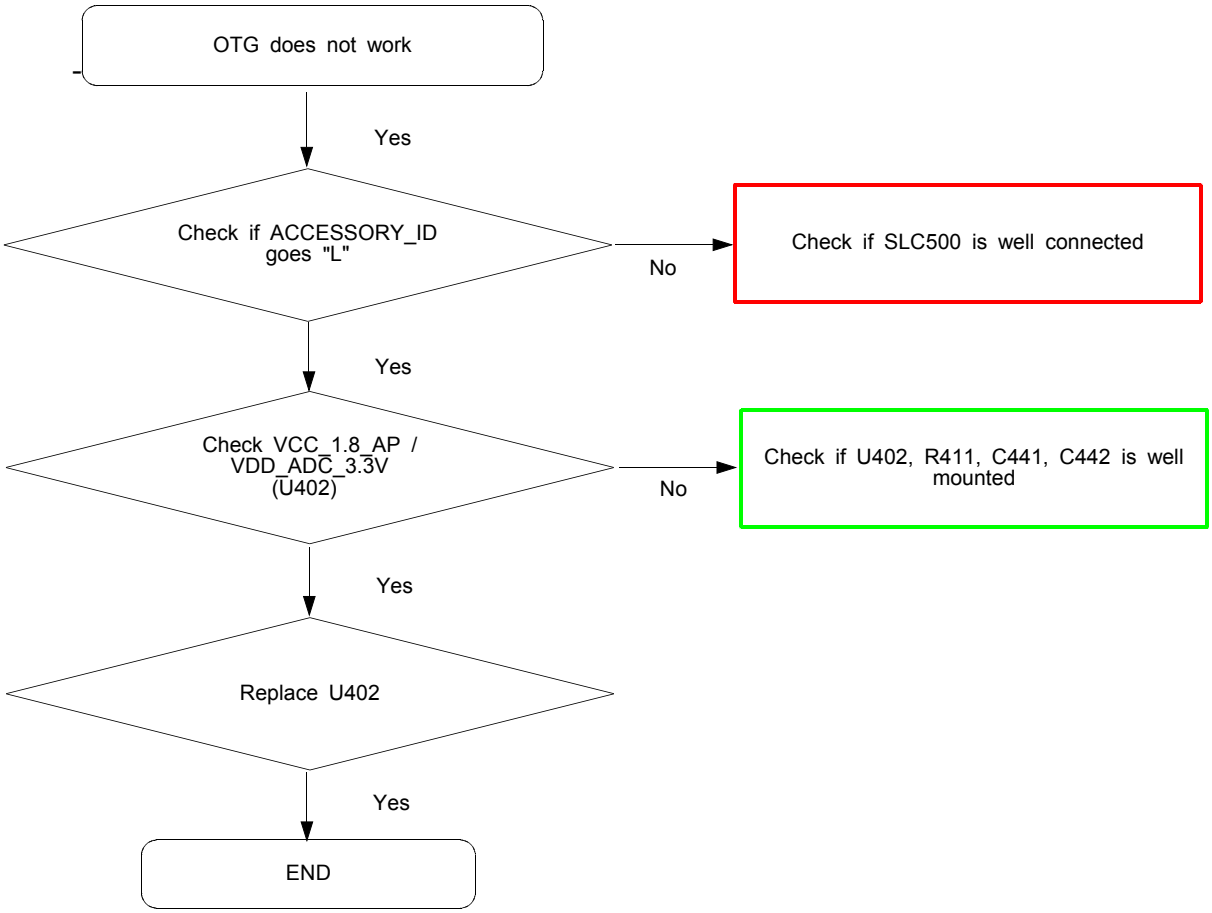
8-3-13. OTG



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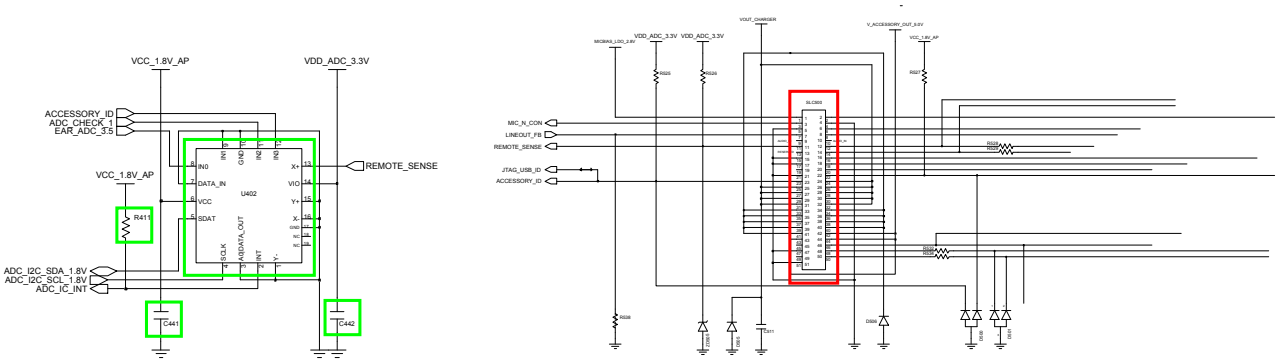

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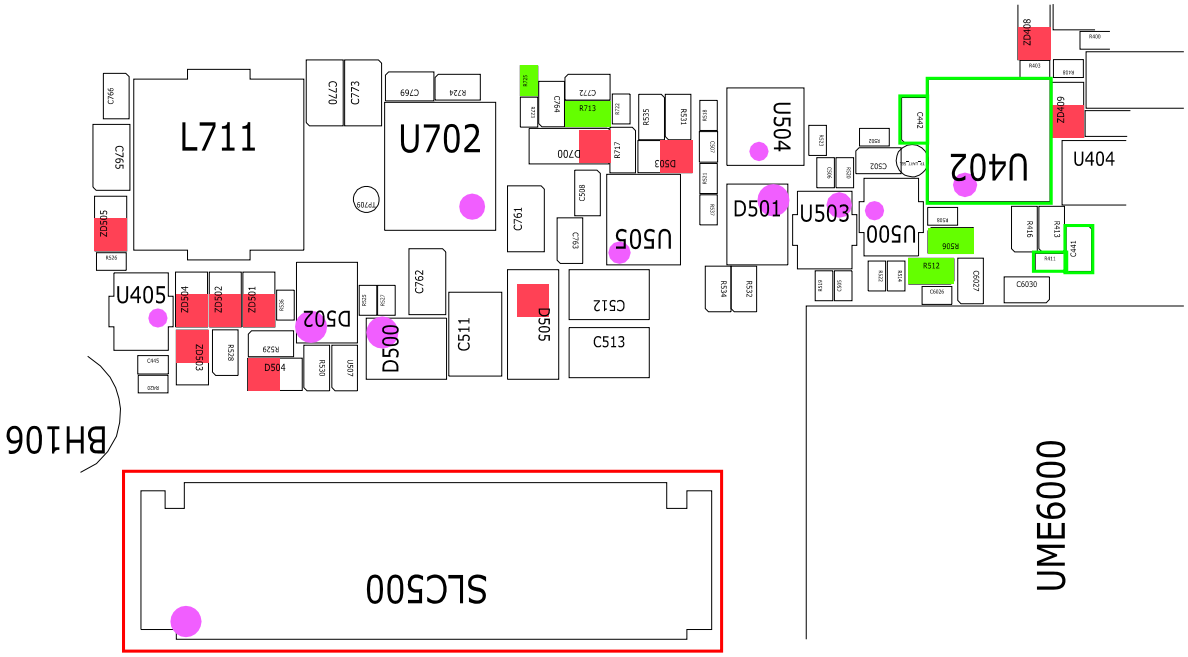

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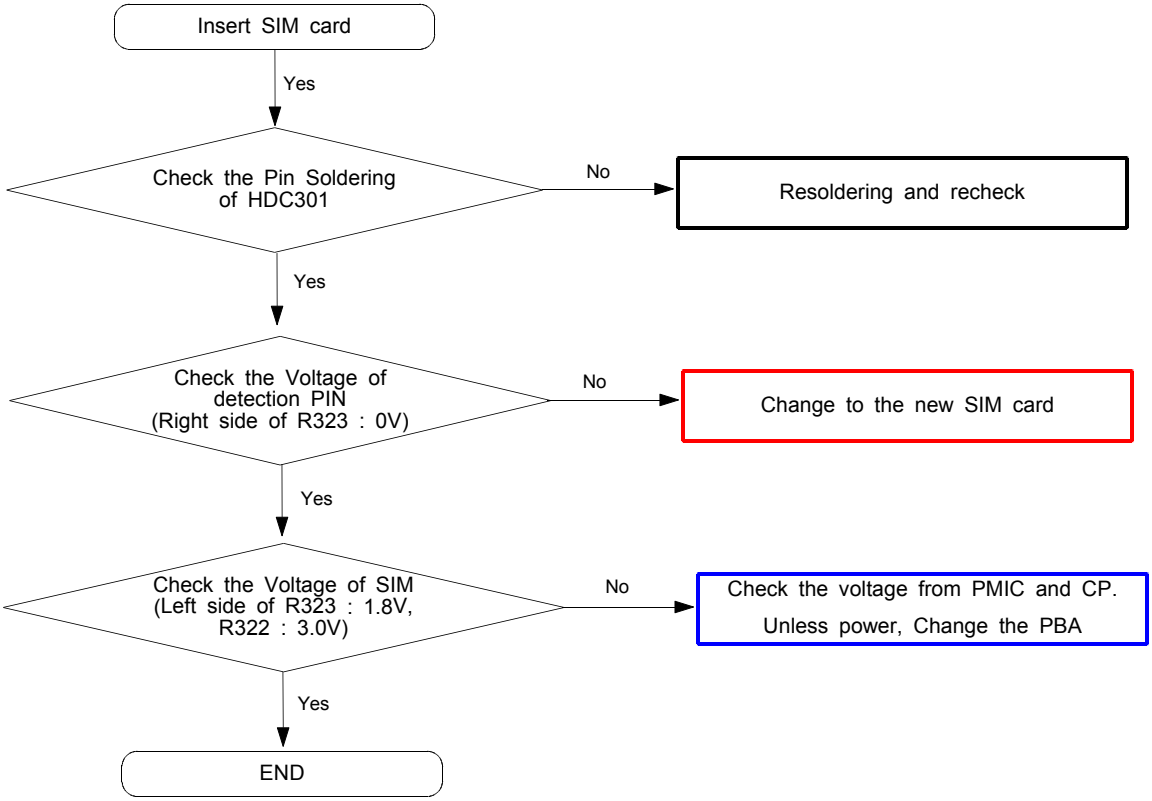
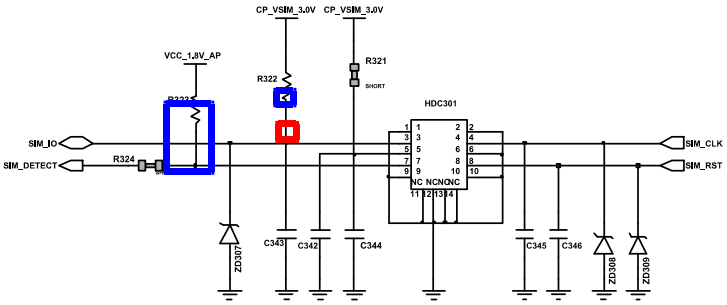
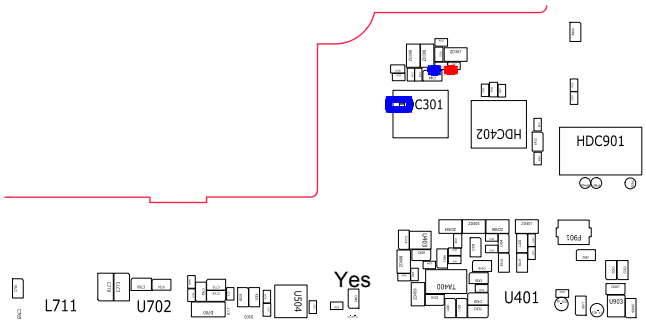
8-3-14. Sim Part







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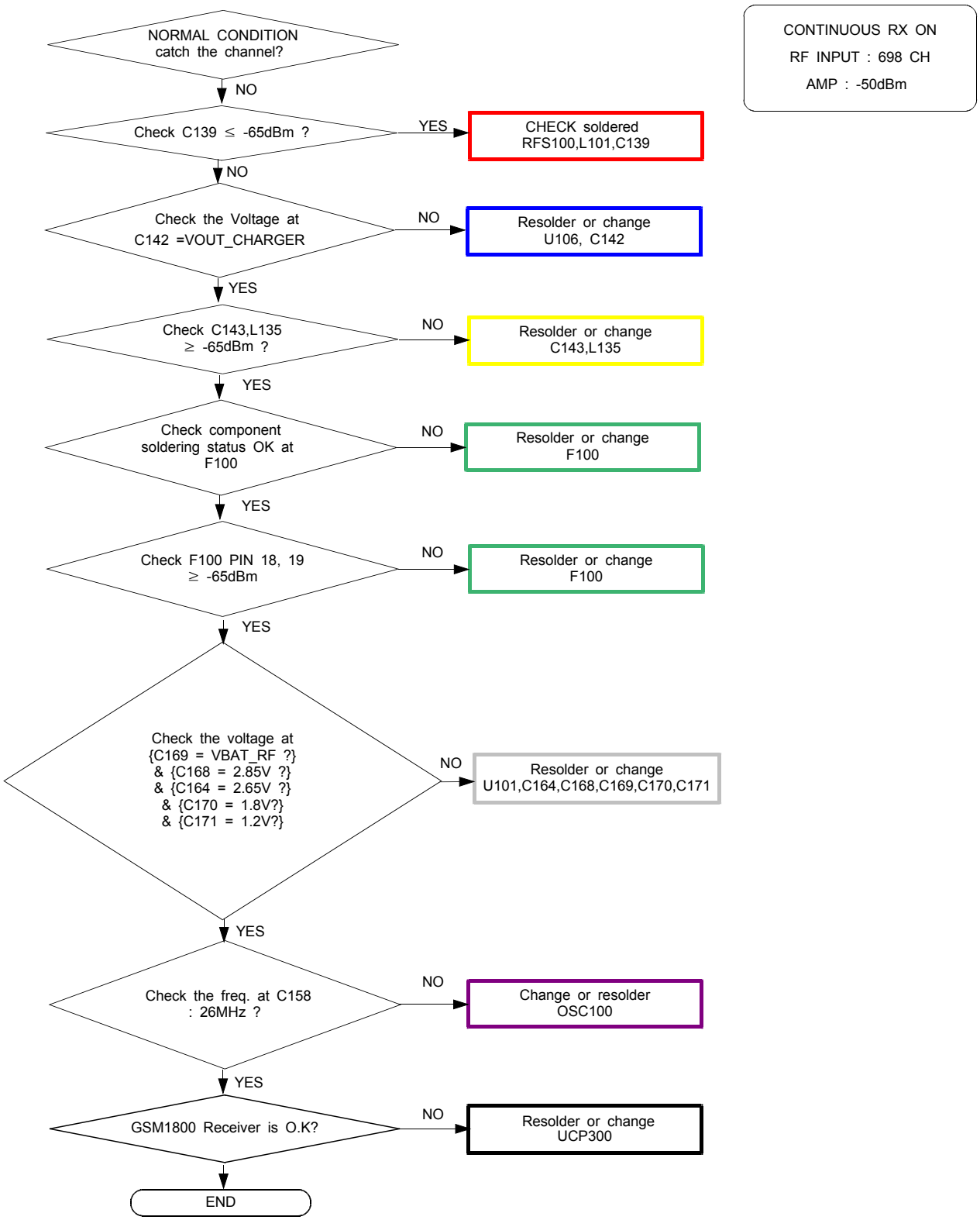
8-3-15. GSM1800 RX



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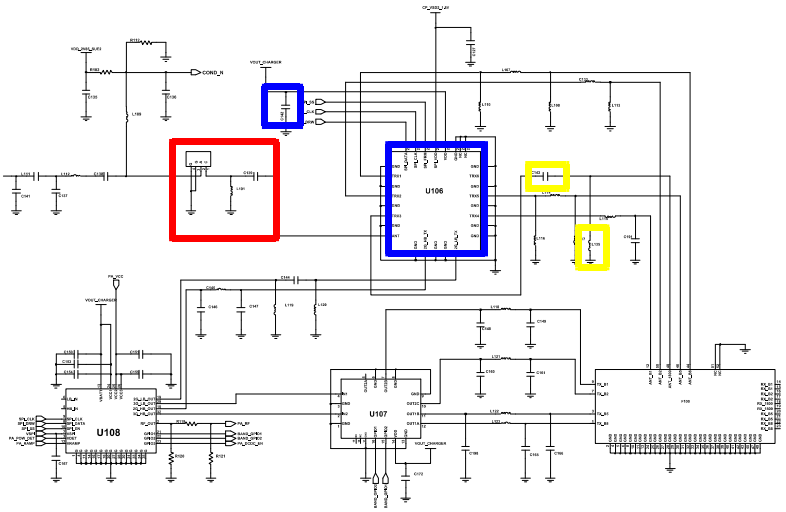

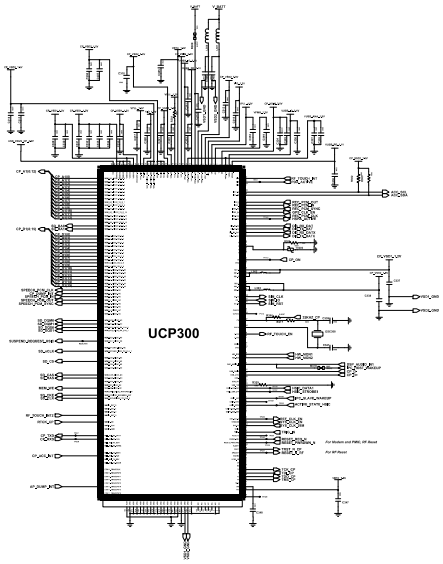

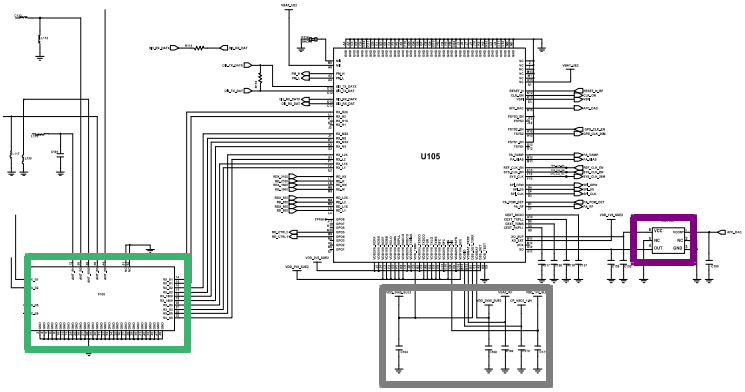

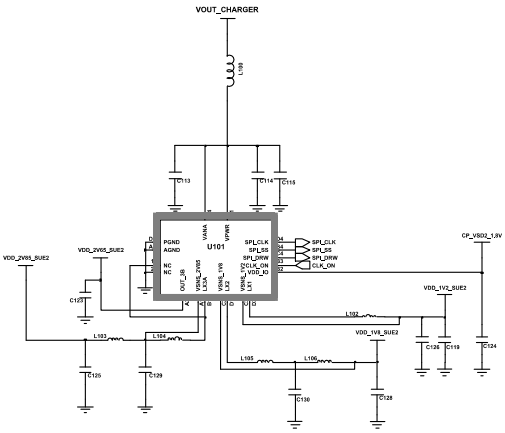

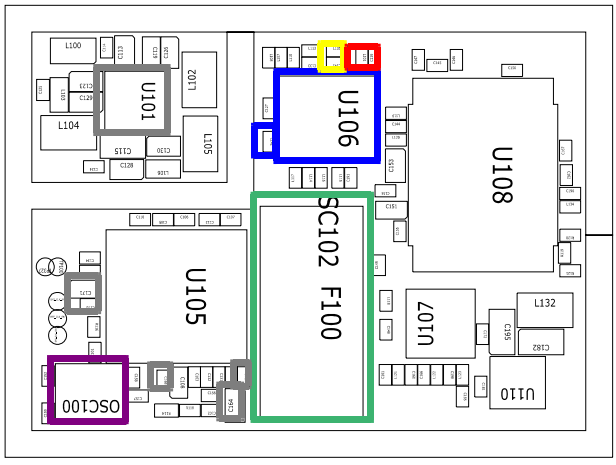

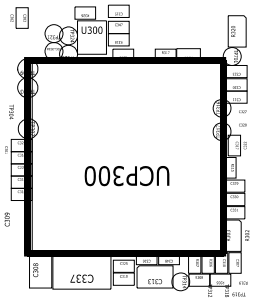

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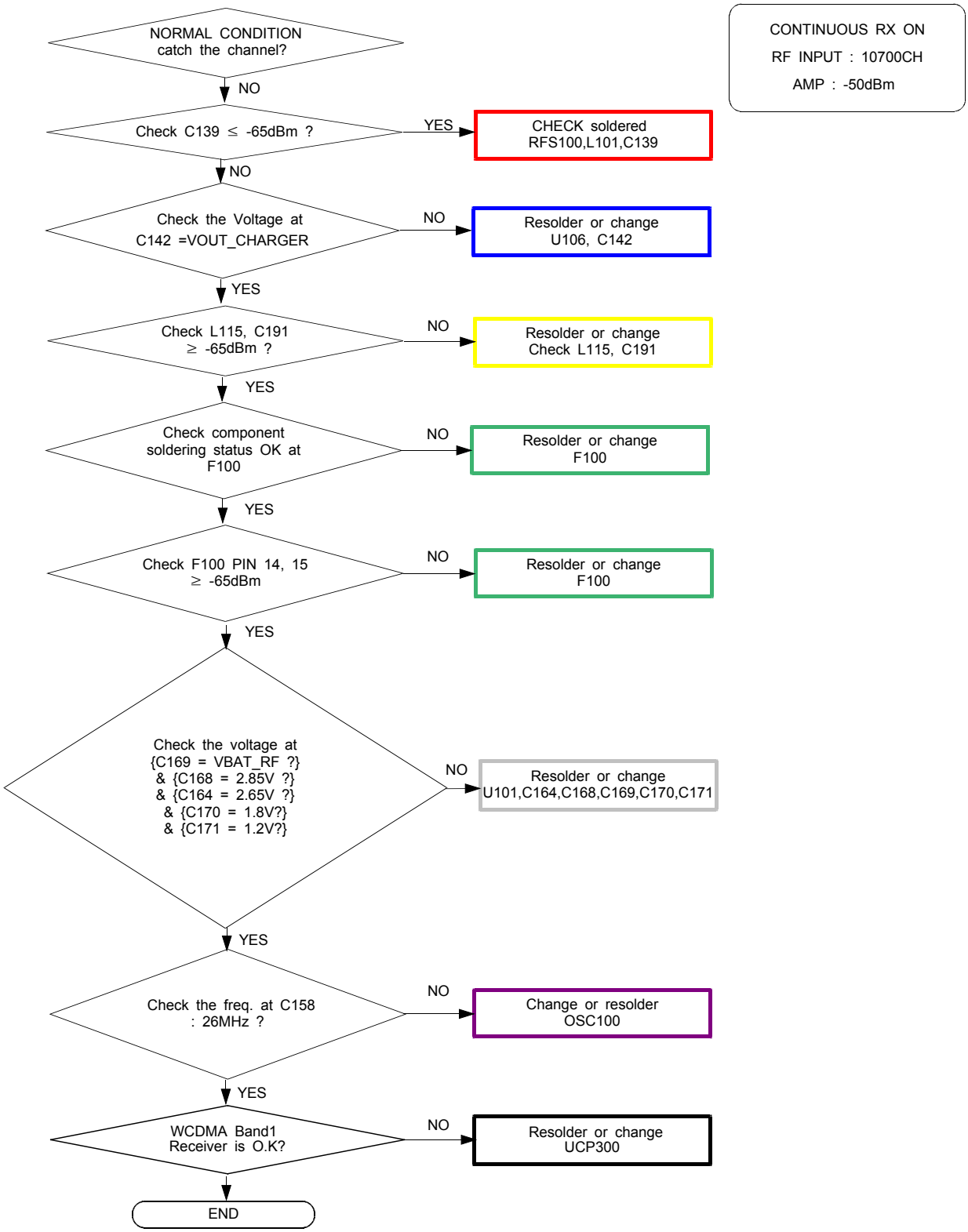
8-3-16. WCDMA Band1 RX



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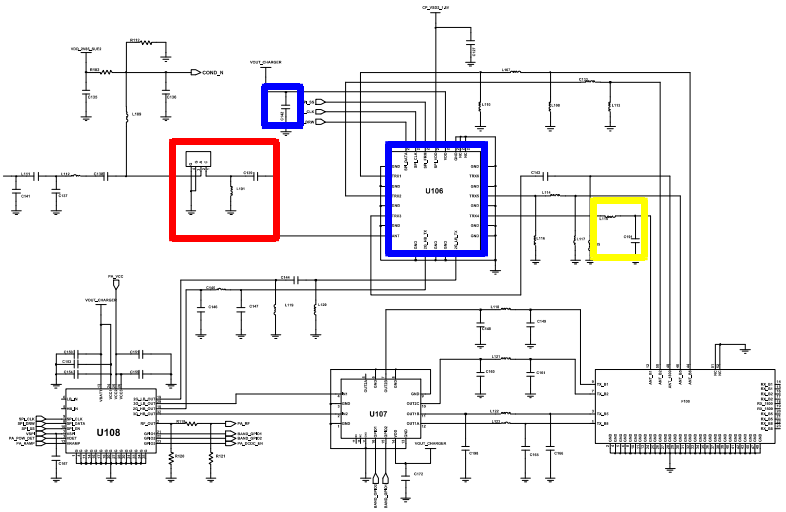

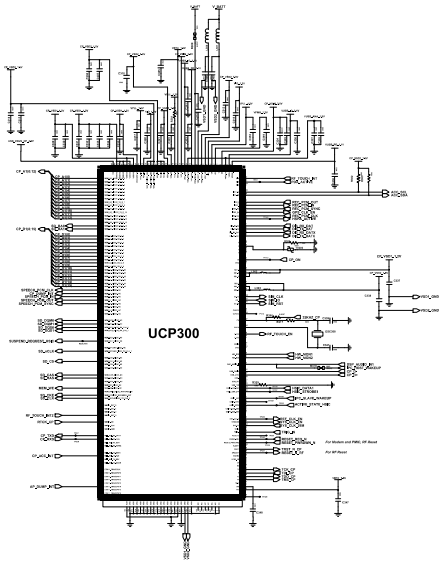

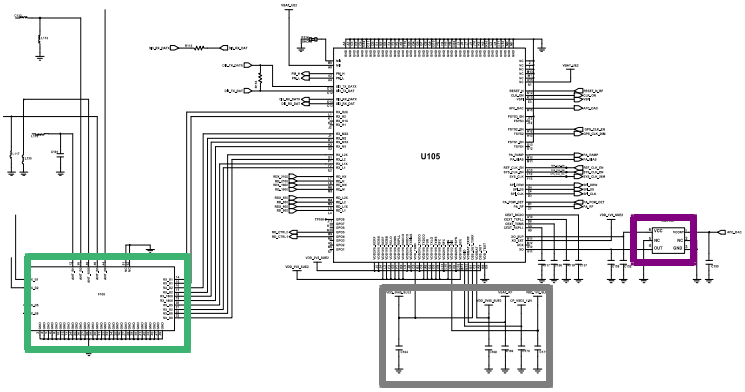

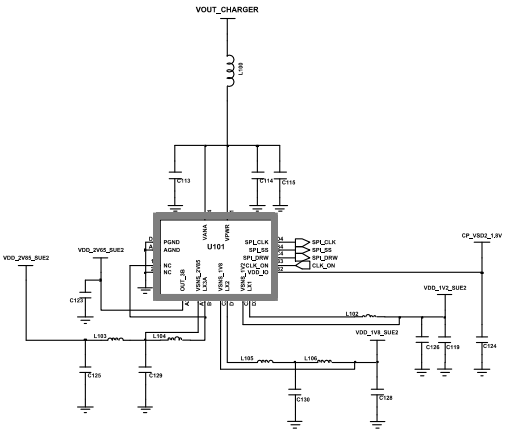

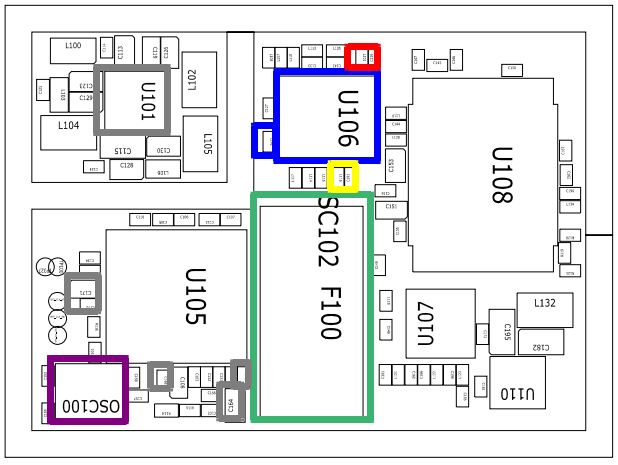

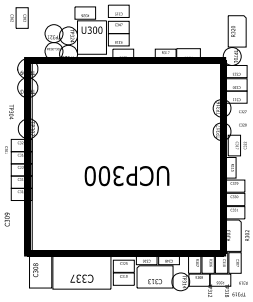

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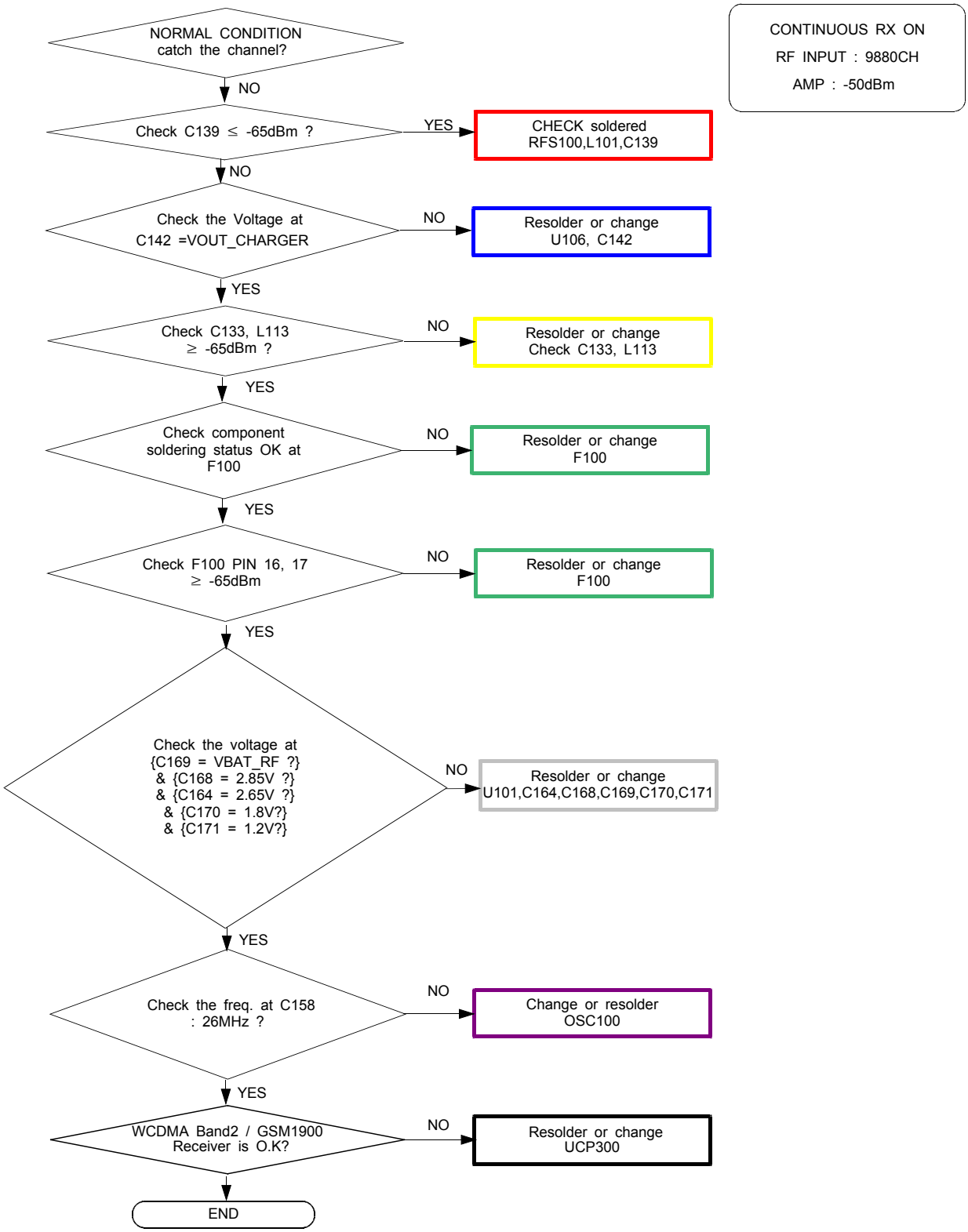
8-3-17. WCDMA Band2 / GSM1900 RX



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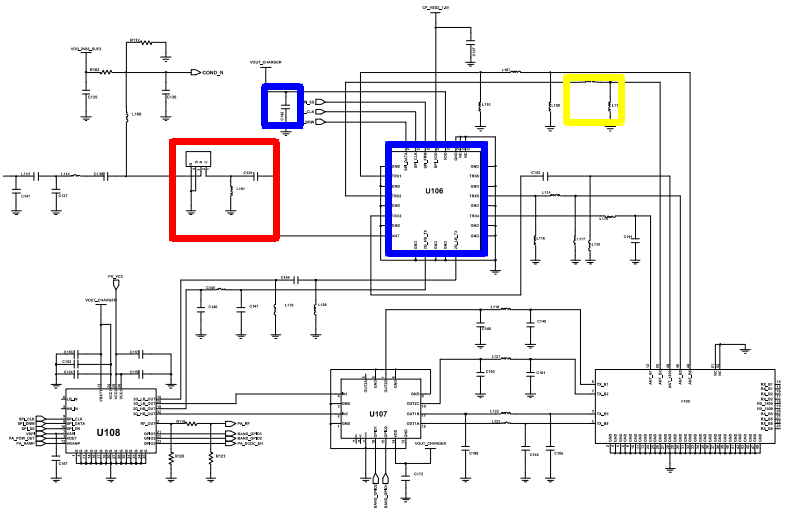

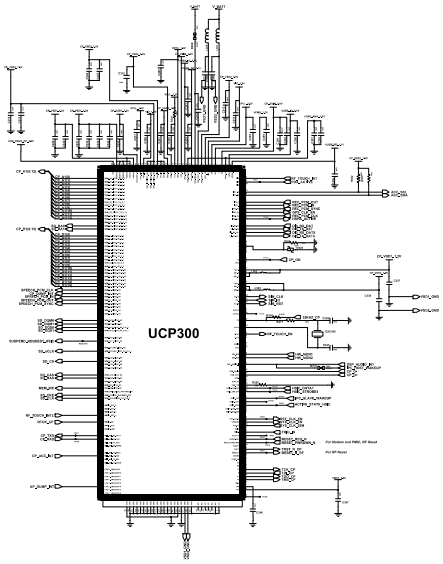

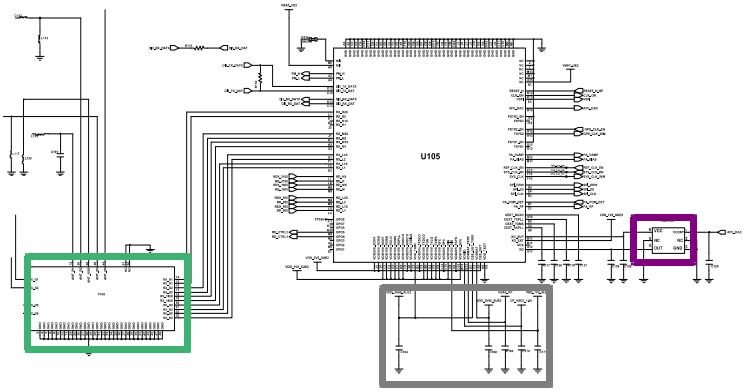

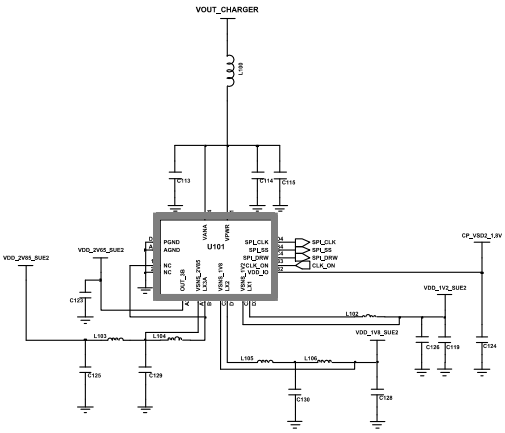

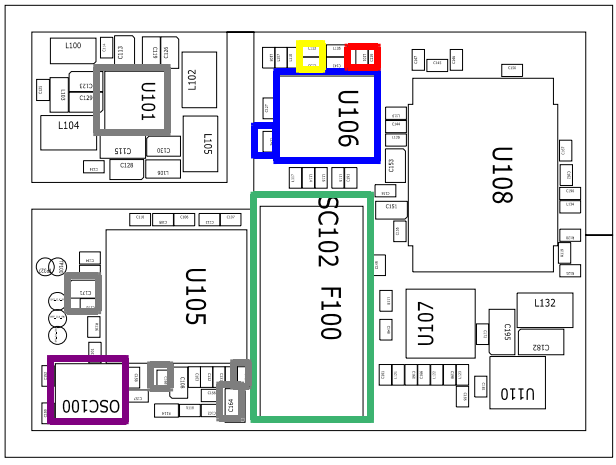

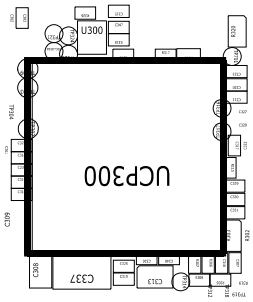

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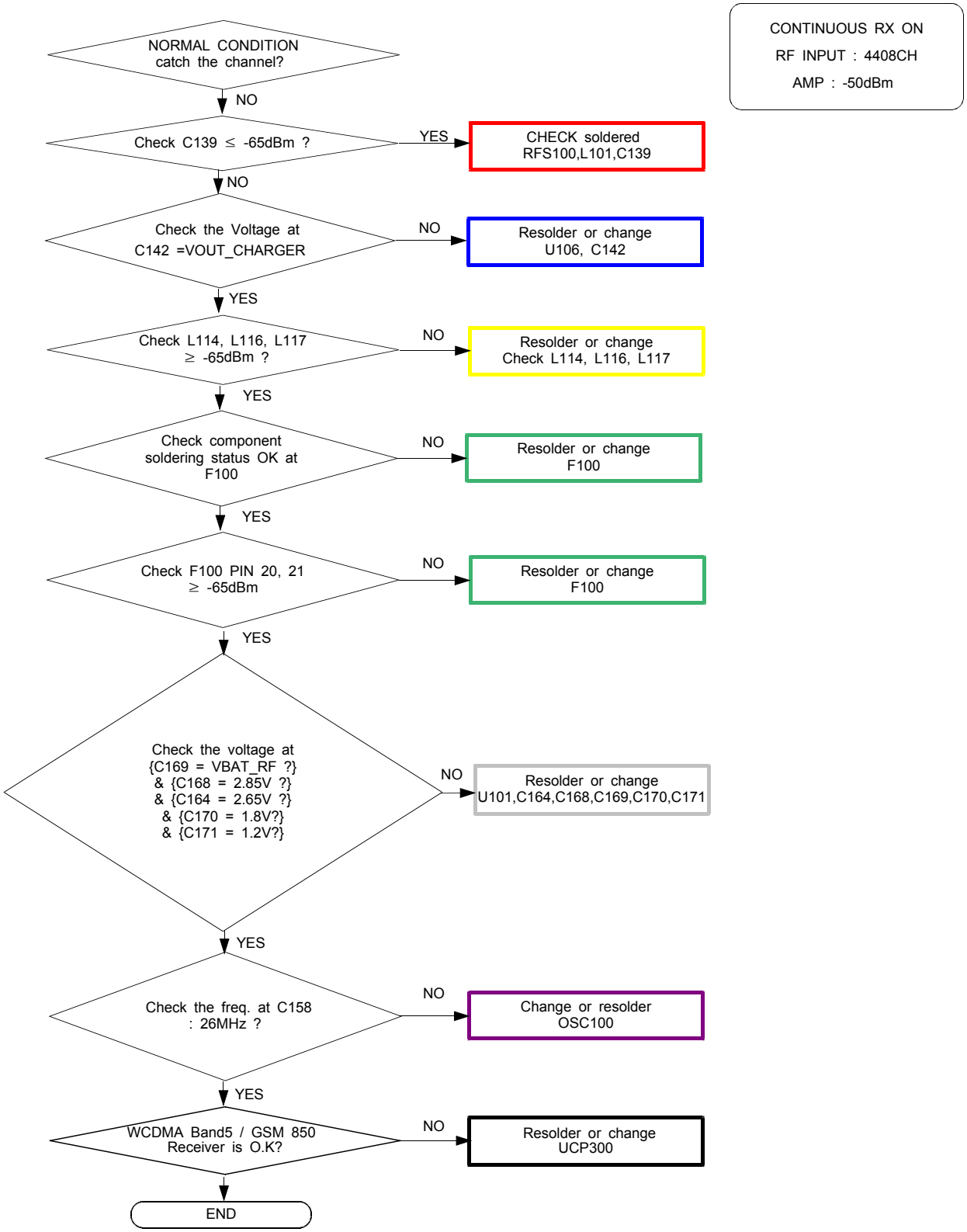
8-3-18. WCDMA Band5 / GSM 850 RX



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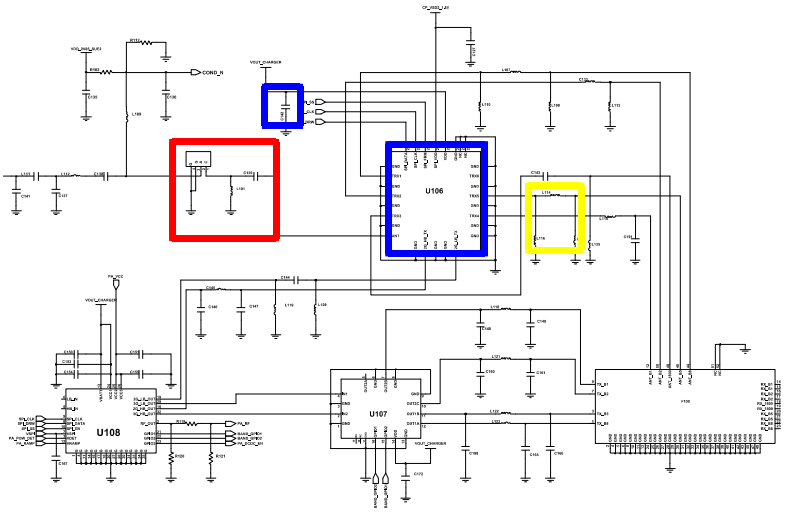

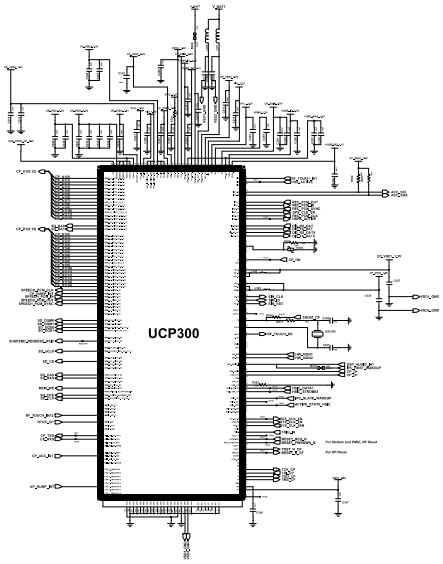

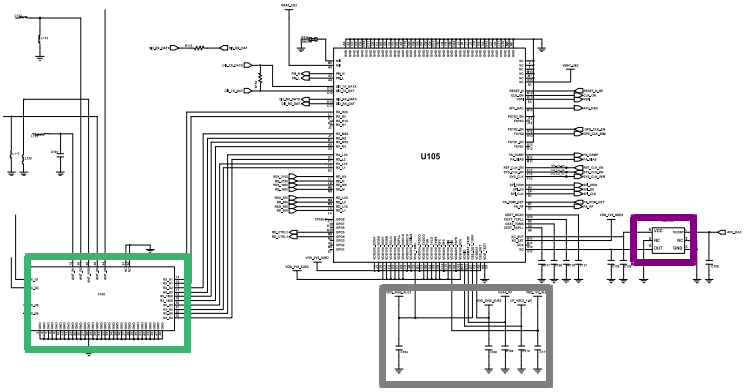

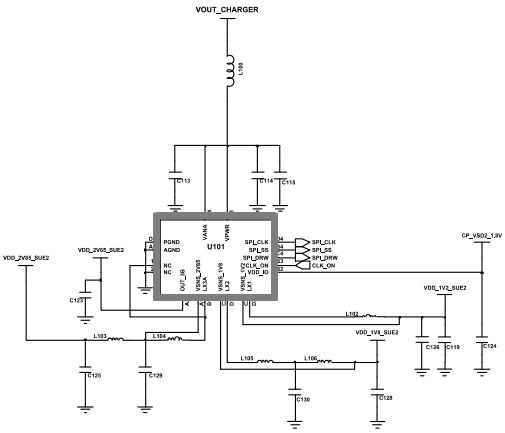

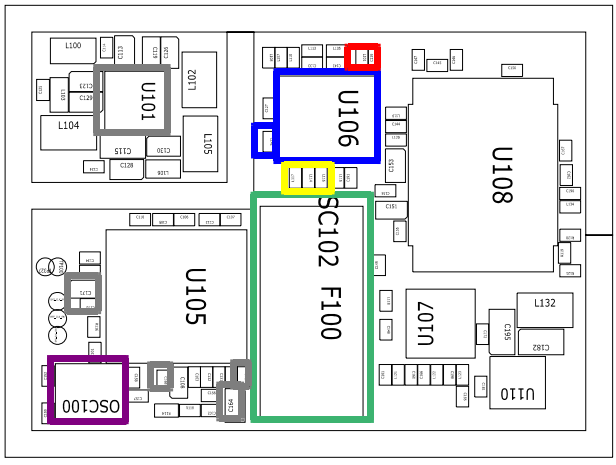

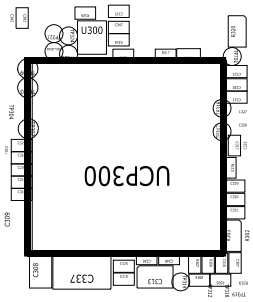

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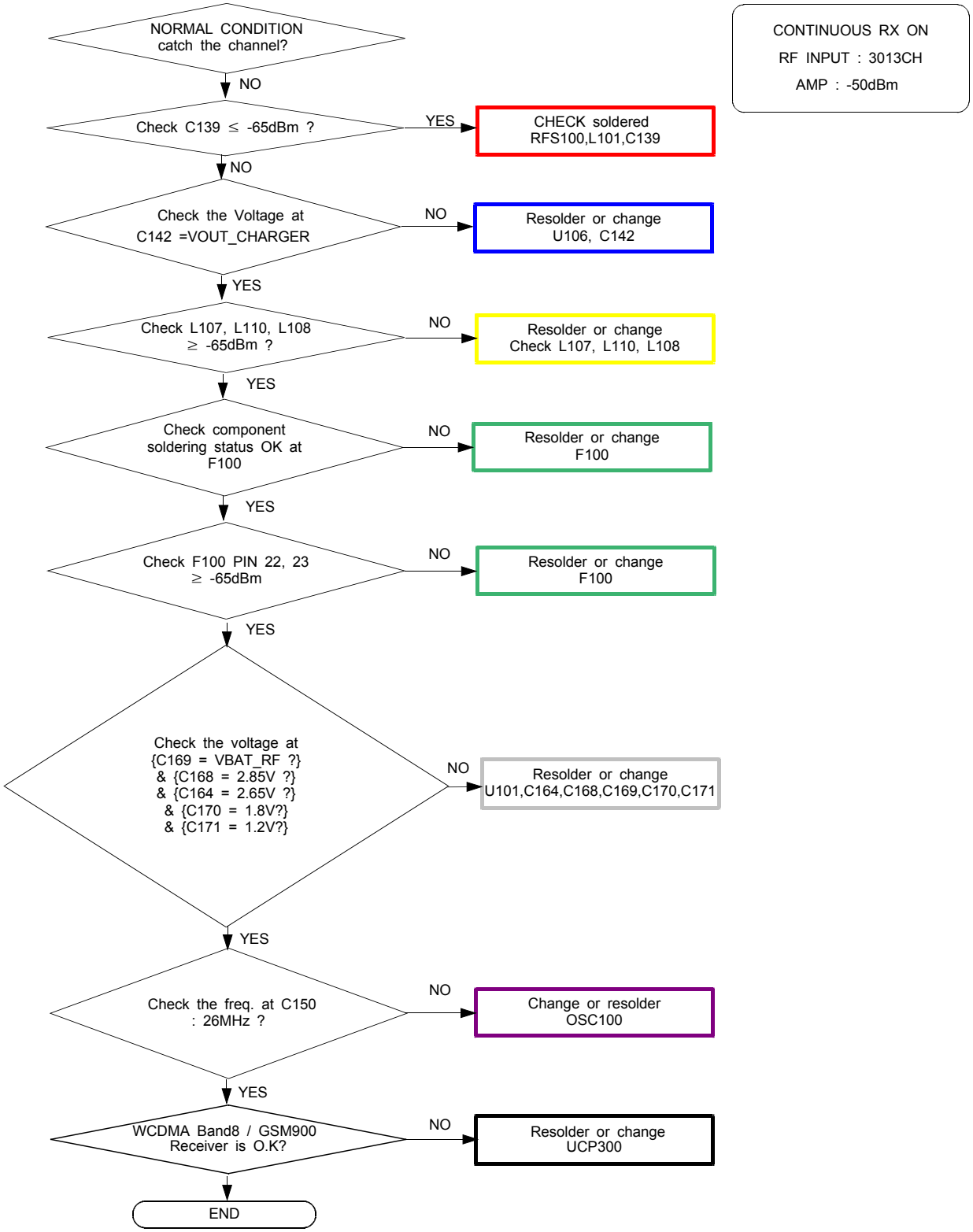
8-3-19. WCDMA Band8 / GSM900 RX



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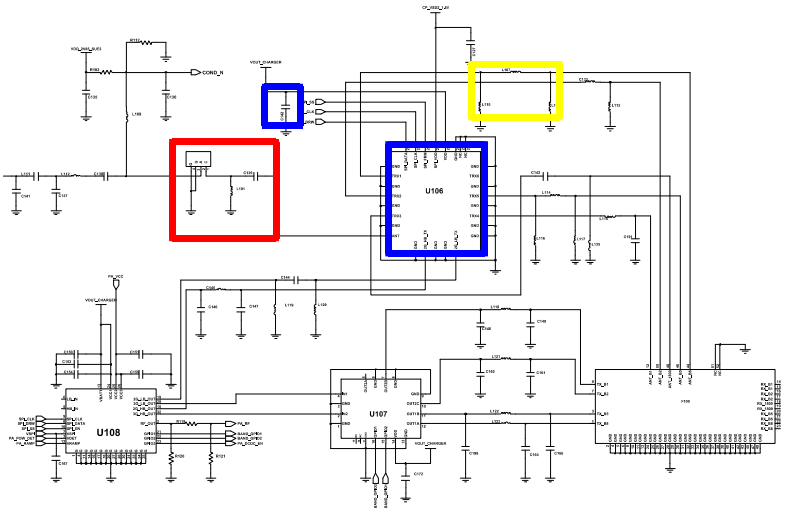

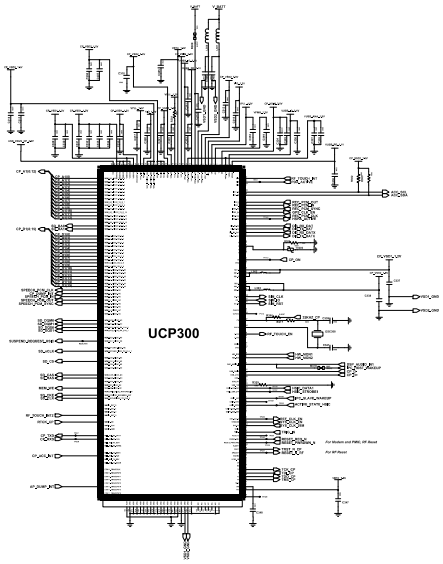

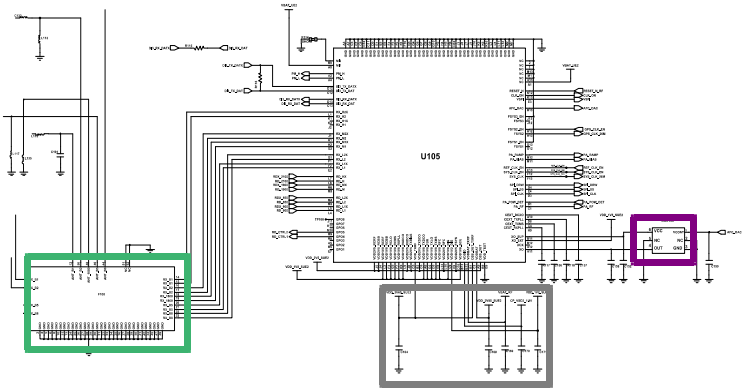

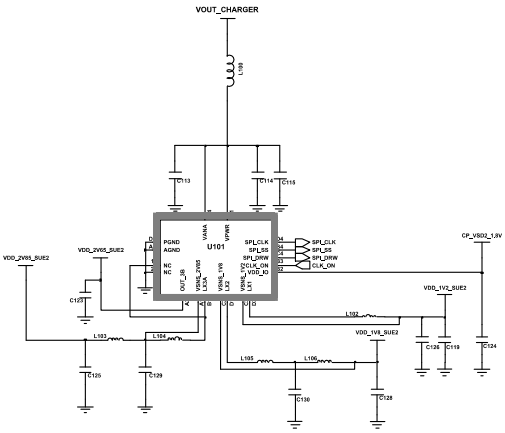

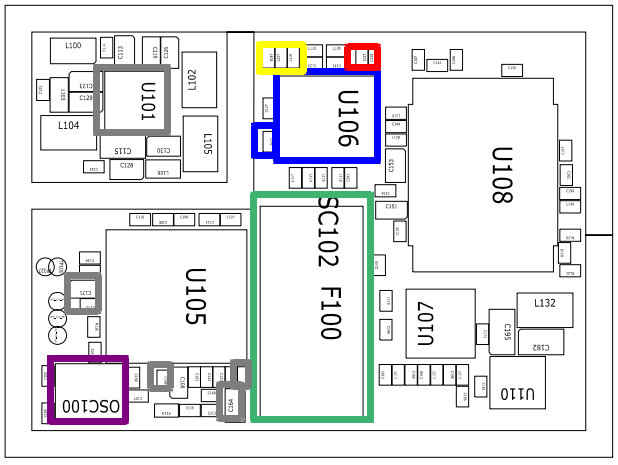

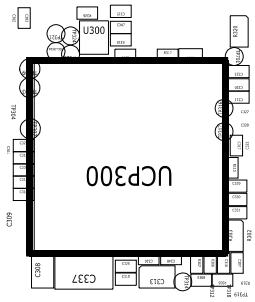

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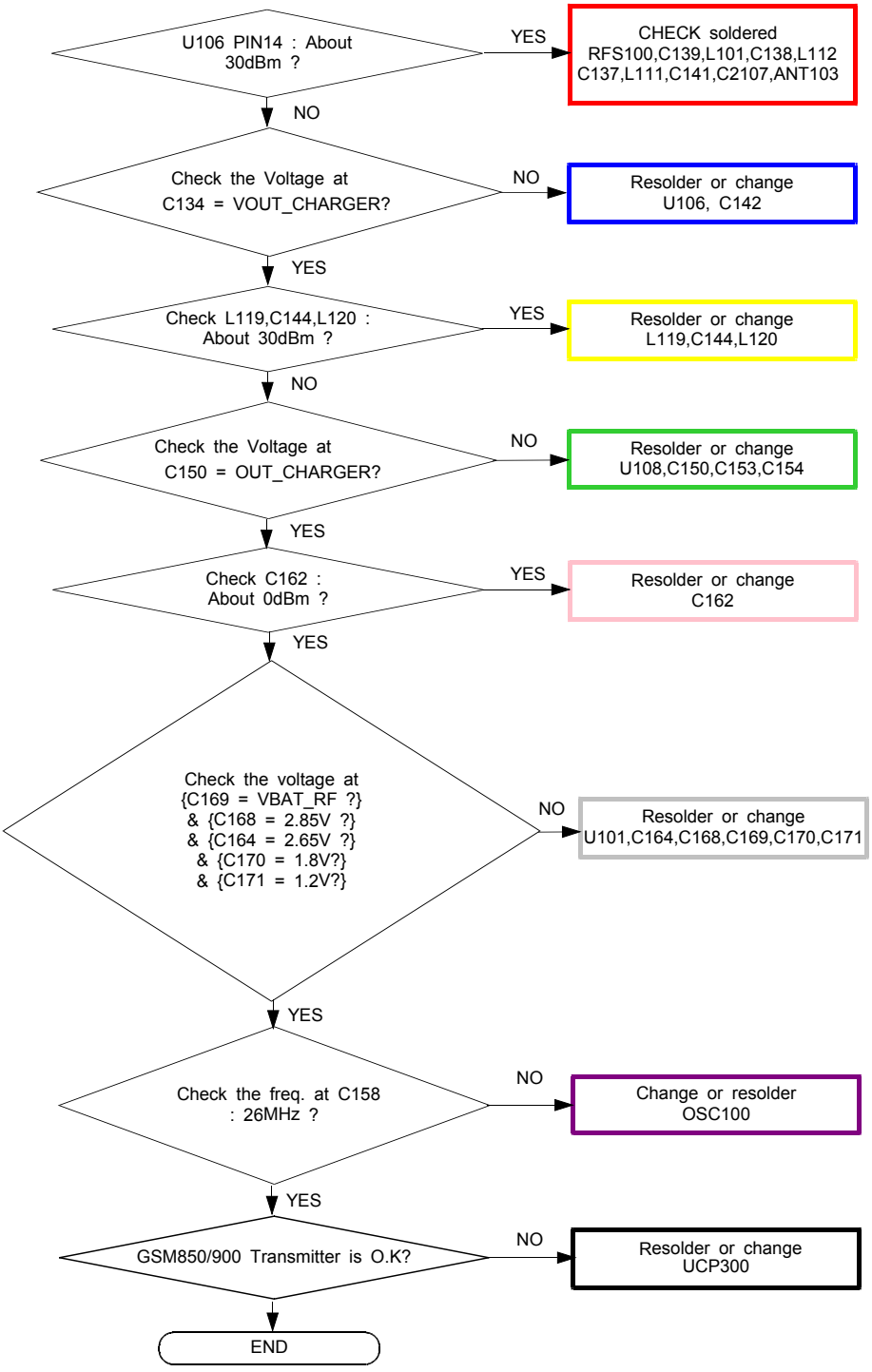
8-3-20. GSM850/GSM900 TX

CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
GSM850 CH : 190
GSM900 CH : 62
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB



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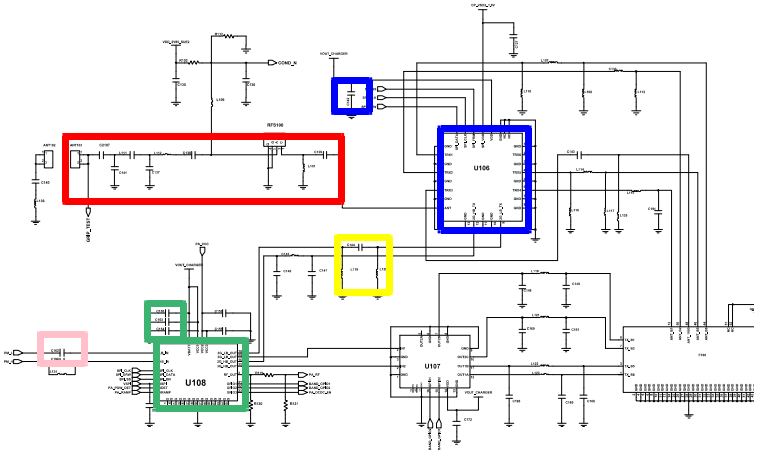

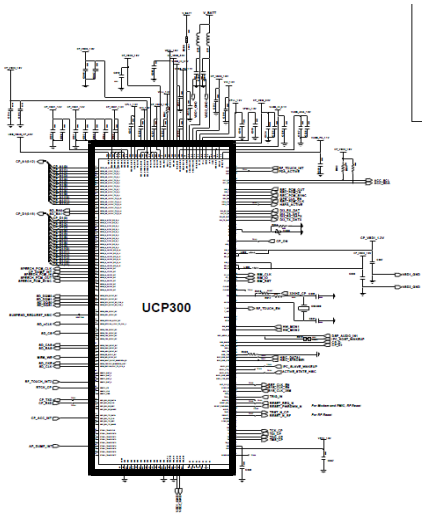

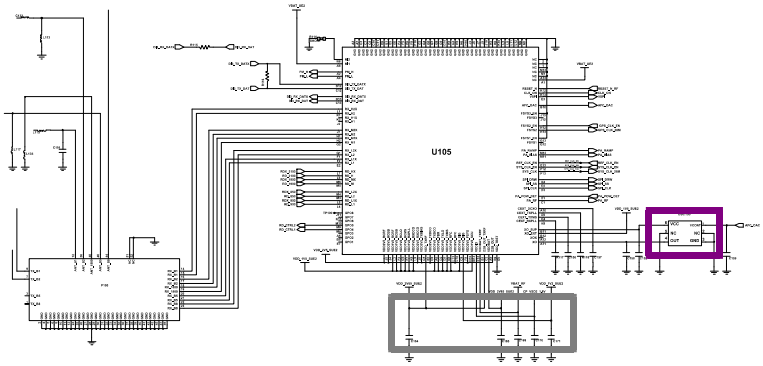

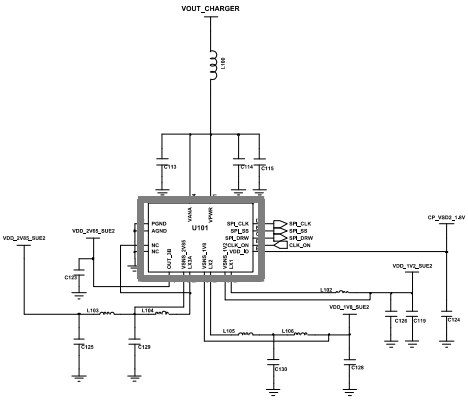

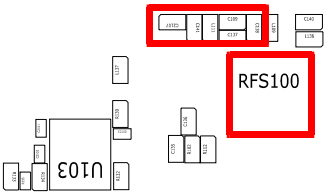

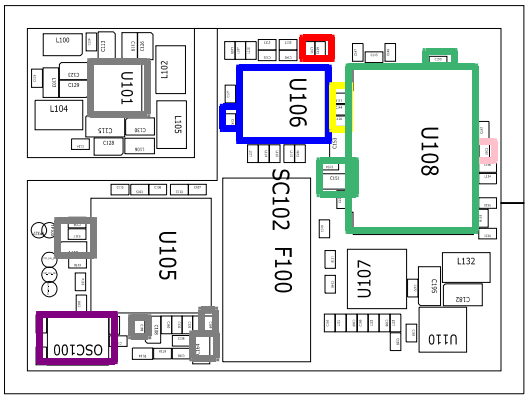

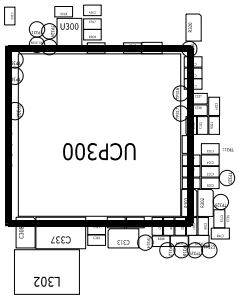

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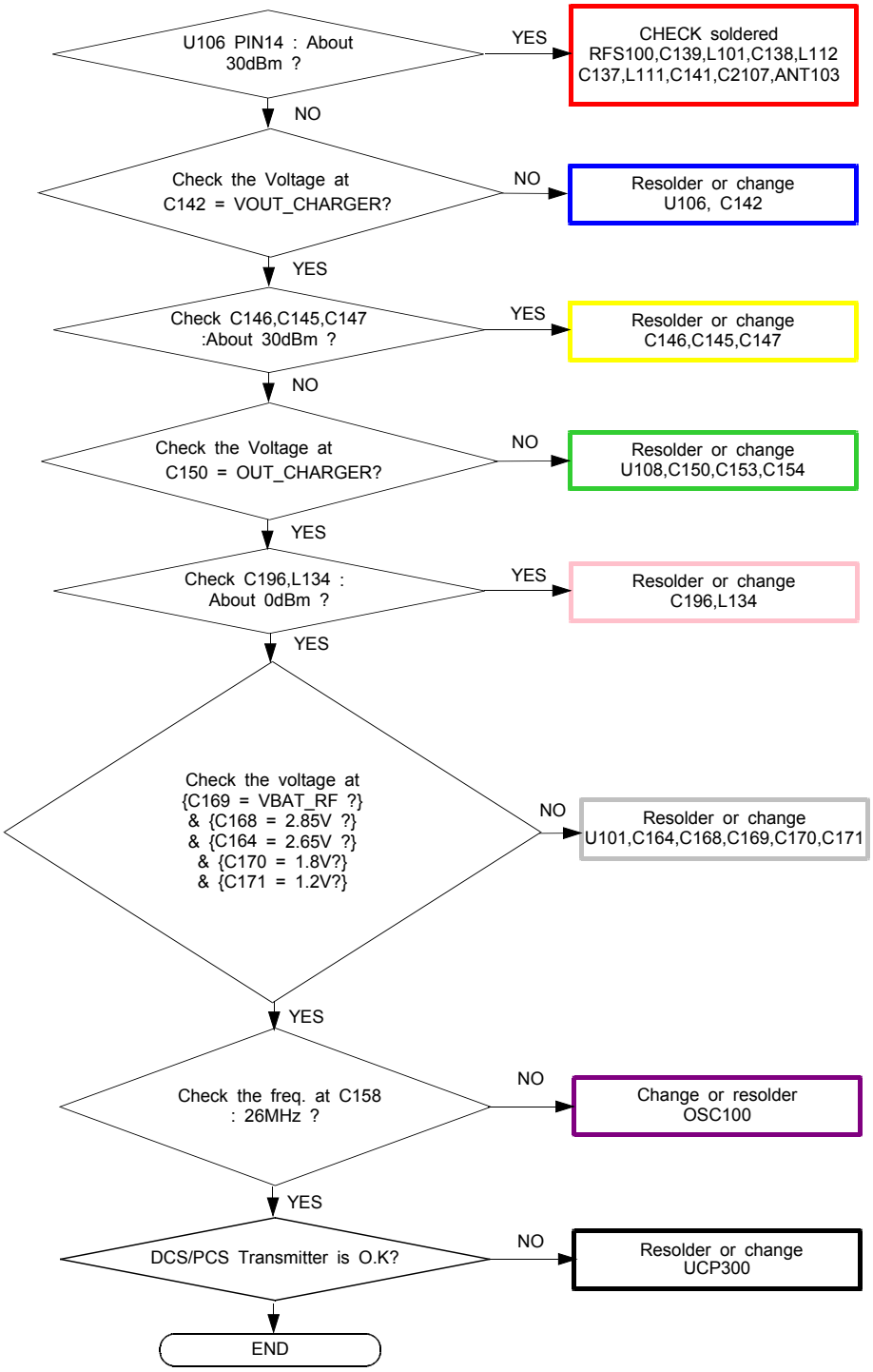
8-3-21. DCS/PCS TX

CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
DCS CH : 685
PCS CH : 661
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB



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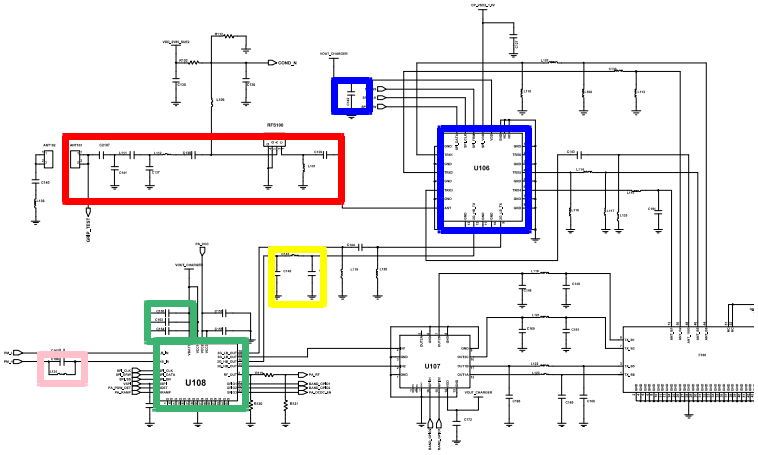

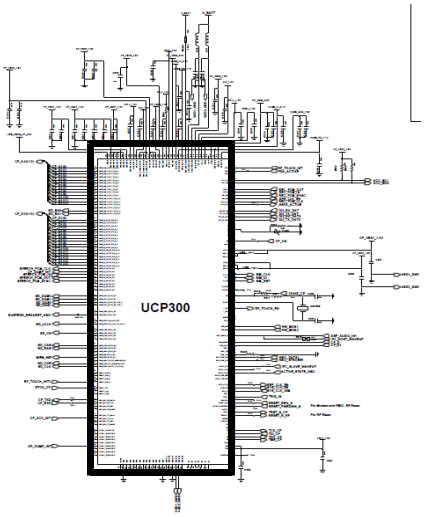

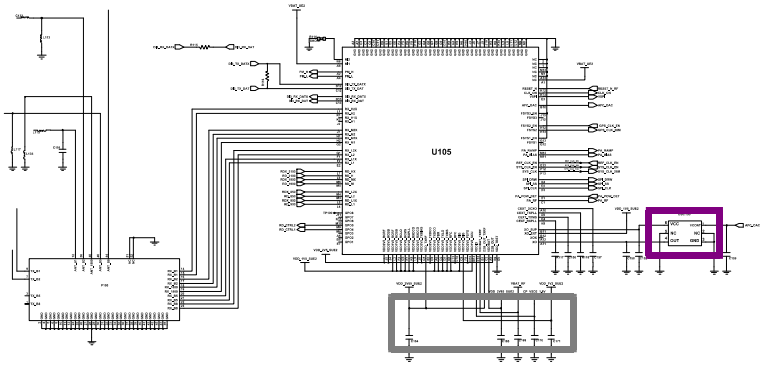

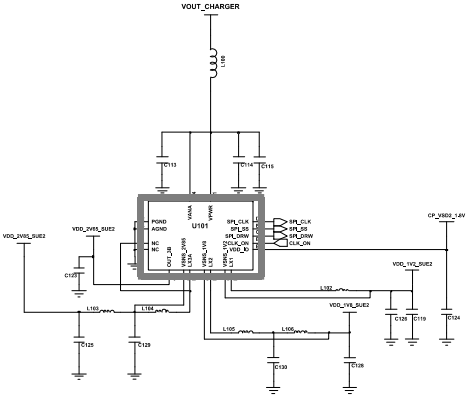

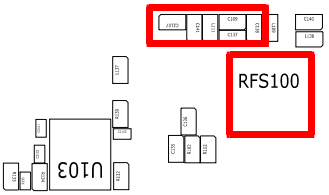

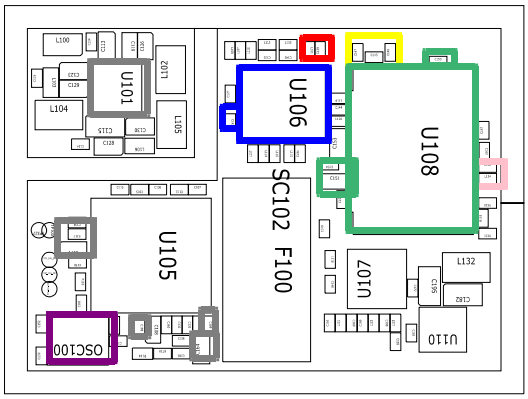

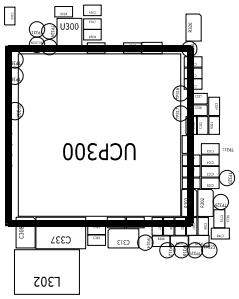

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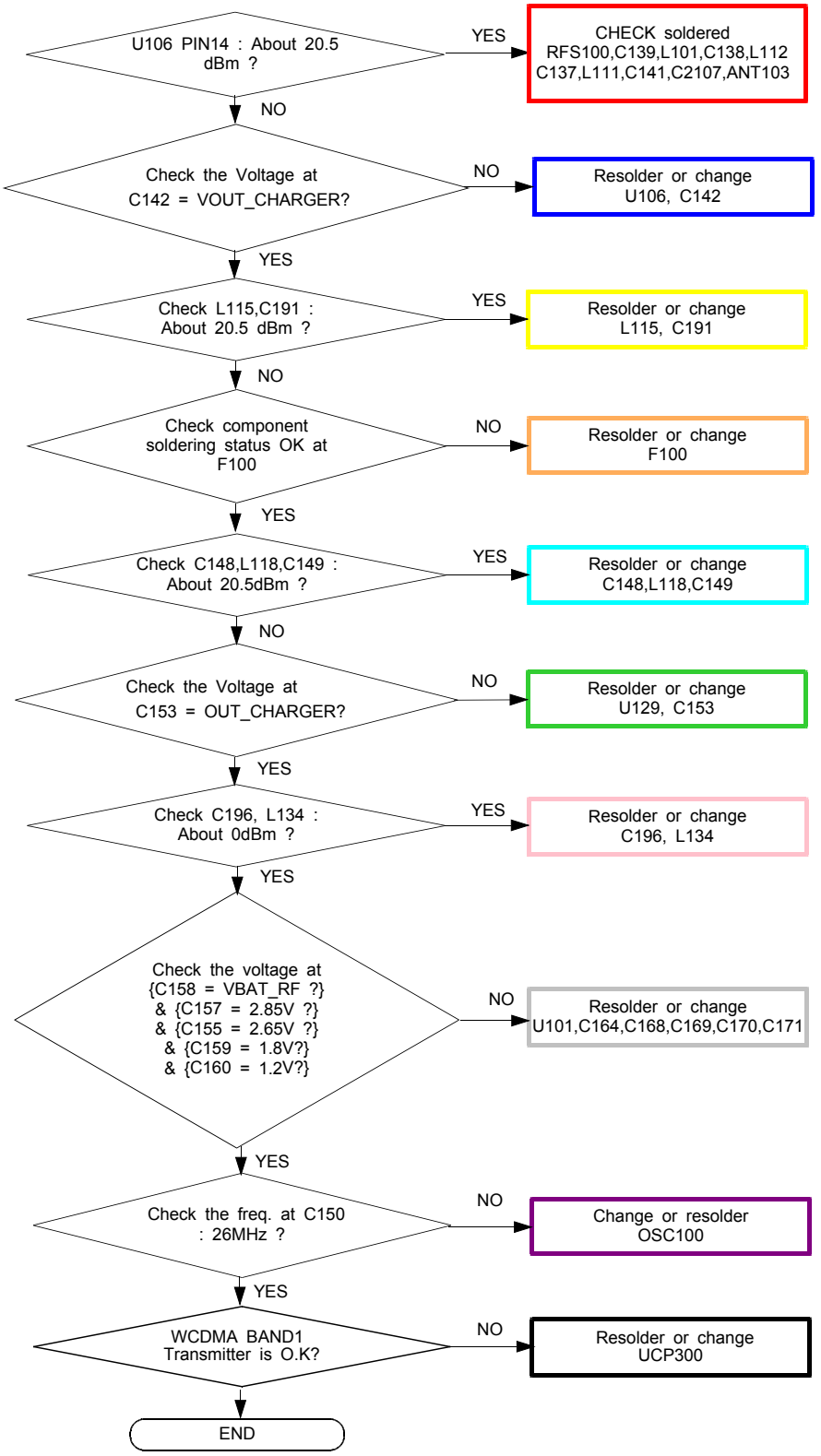
8-3-22. WCDMA BAND1 TX

CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band1 CH : 10700
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB



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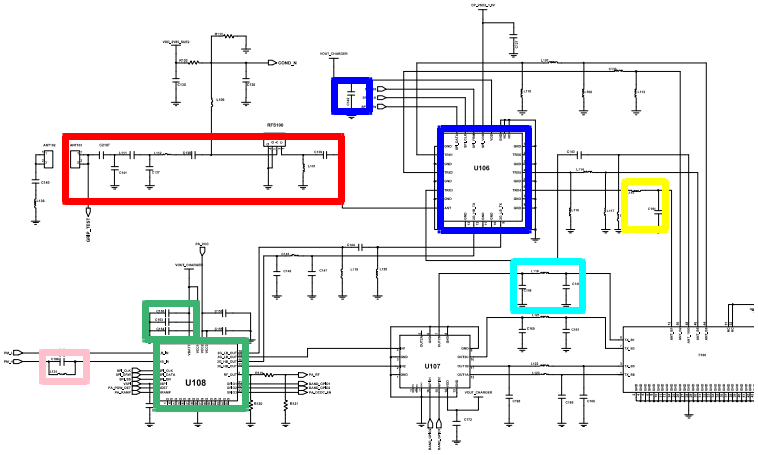

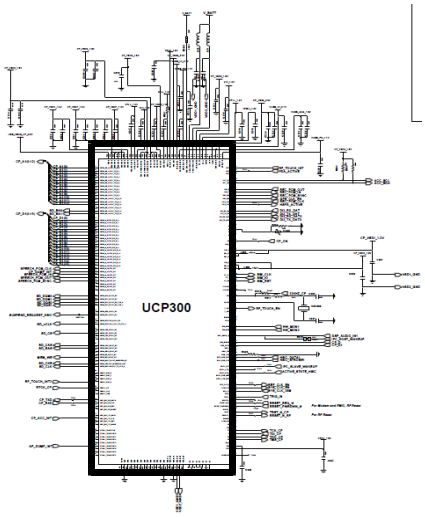

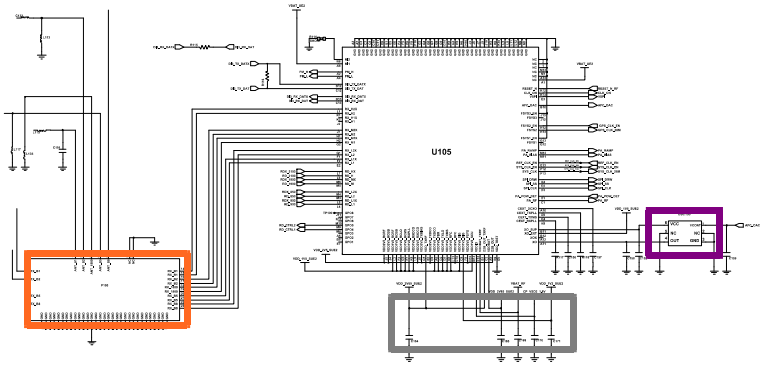

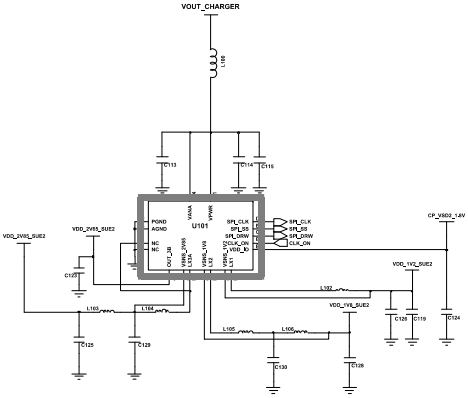

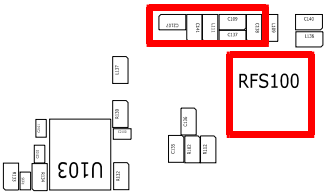

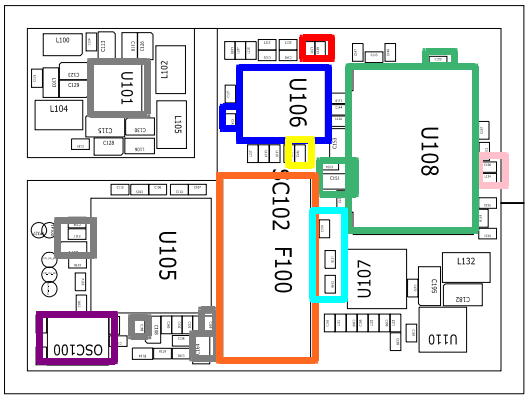

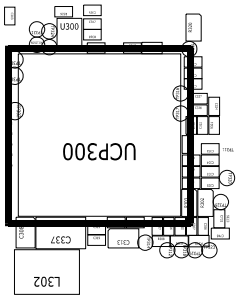

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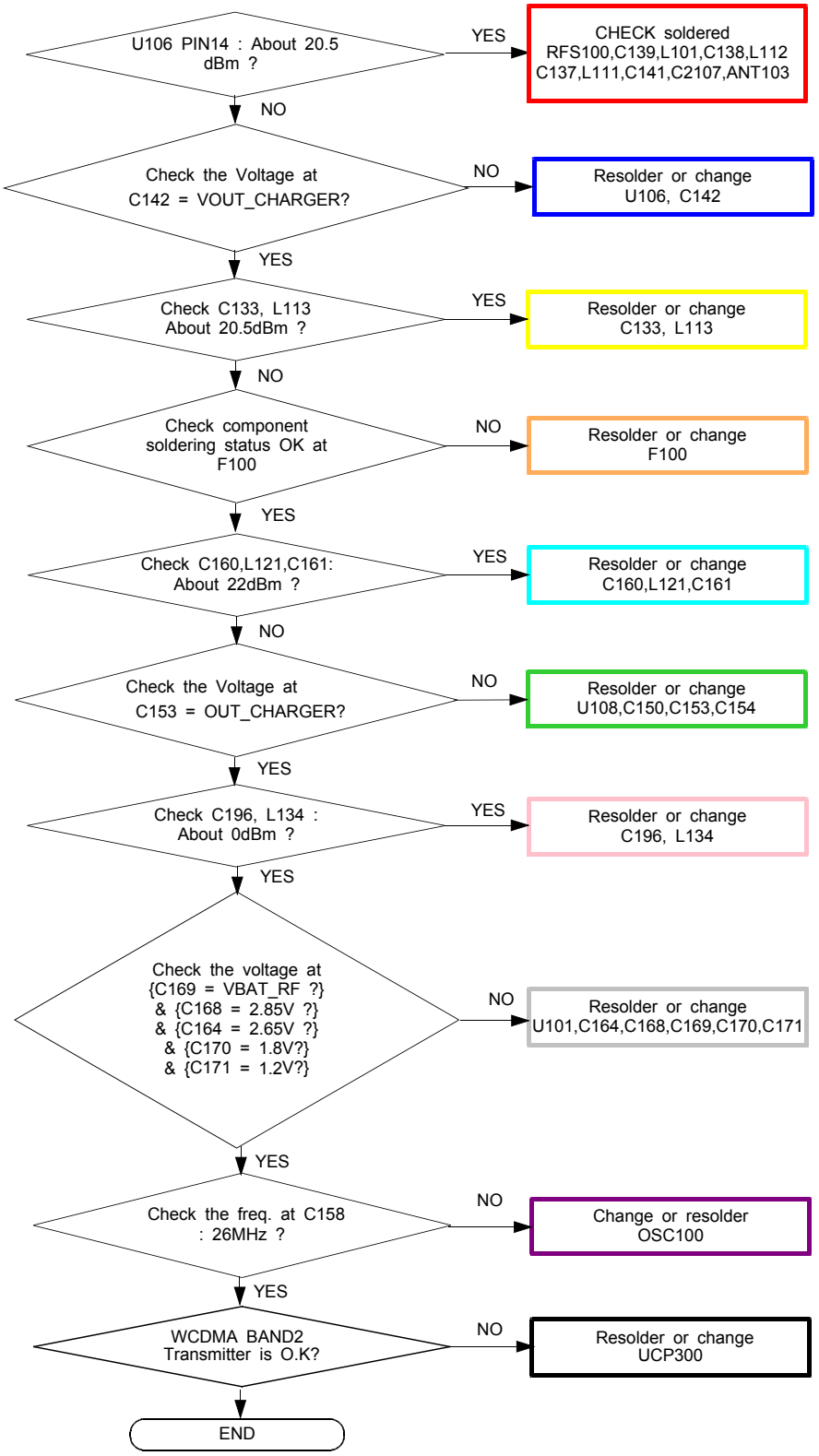
8-3-23. WCDMA BAND2 TX

CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band2 CH : 9880
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB



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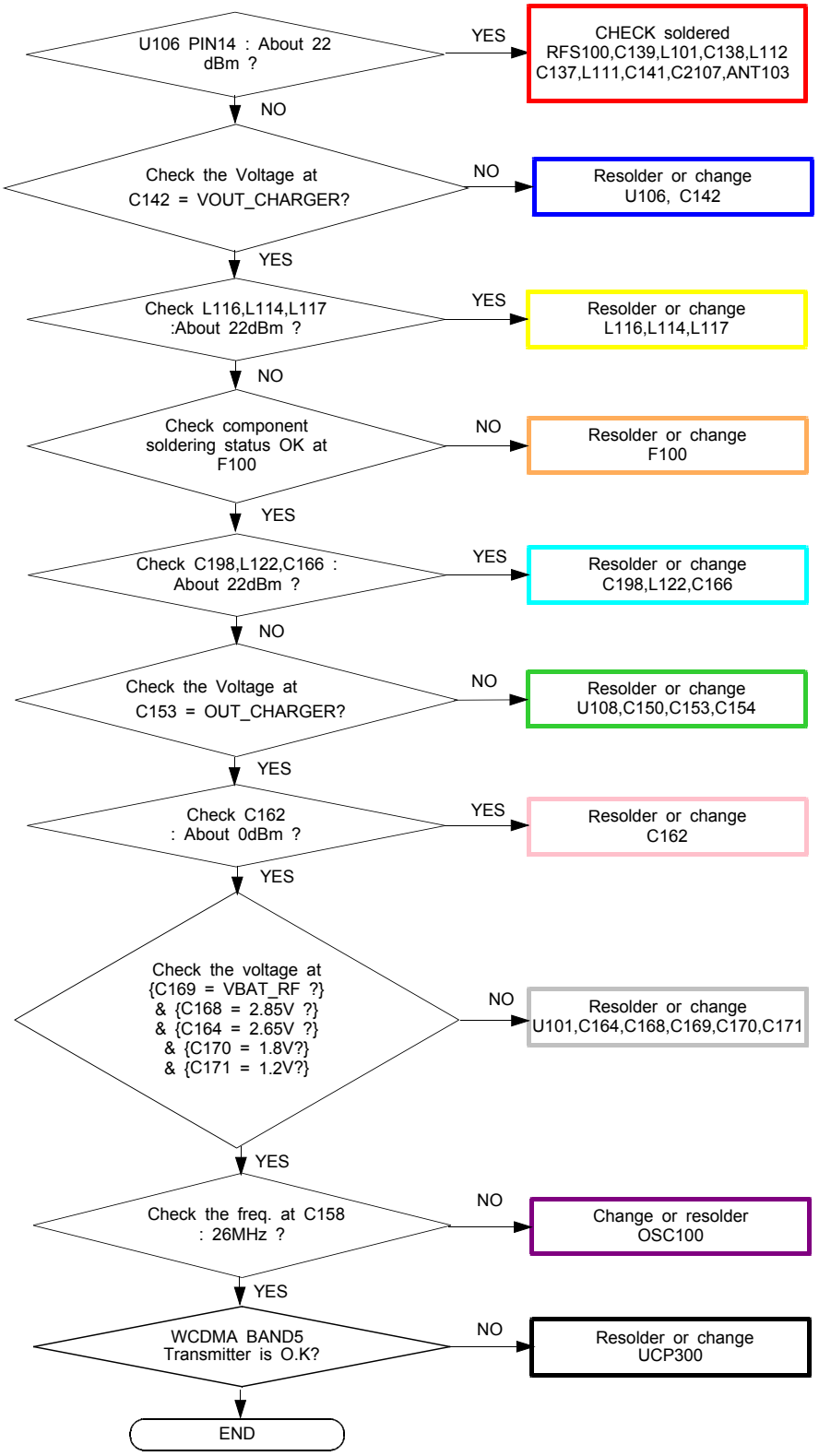
8-3-24. WCDMA BAND5 TX

CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band5 CH : 4408
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB



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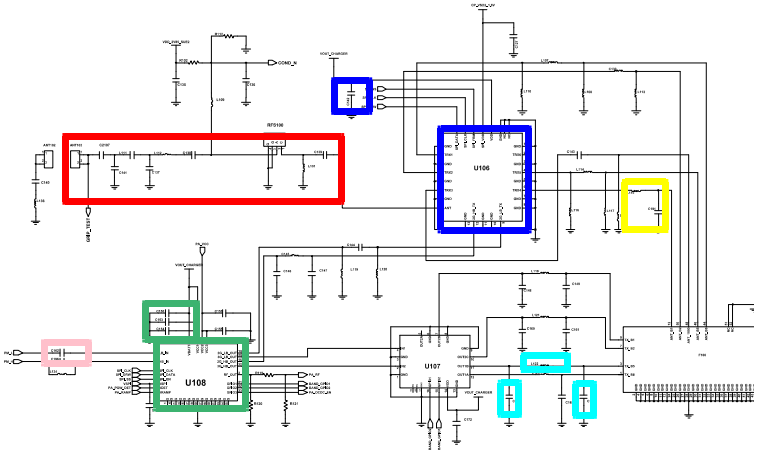

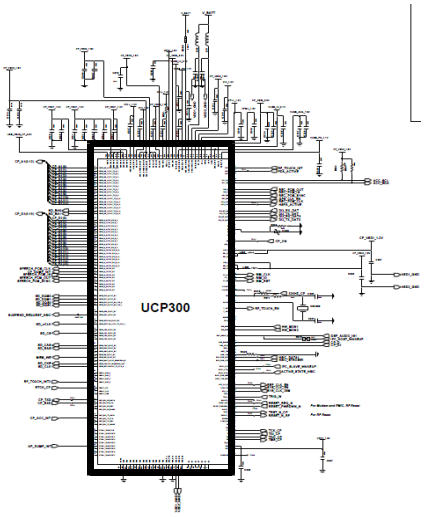

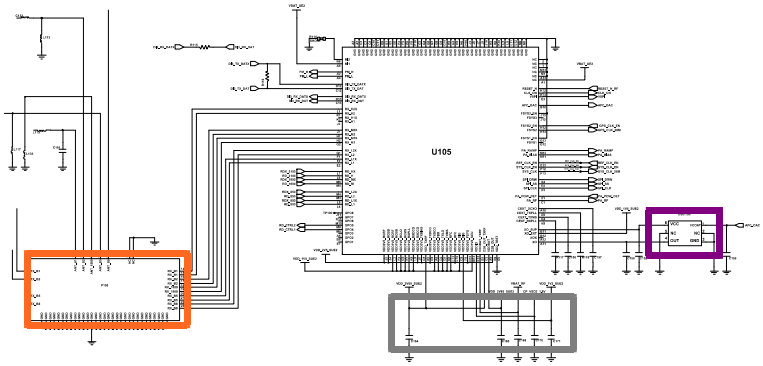

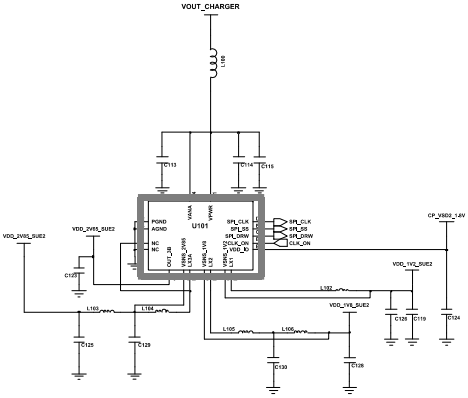

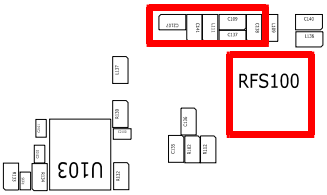

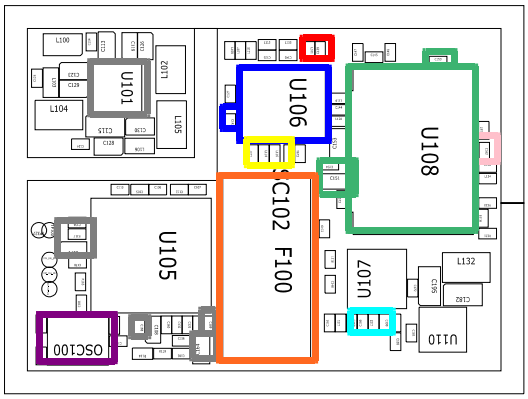

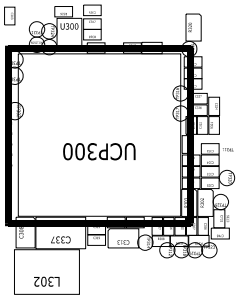

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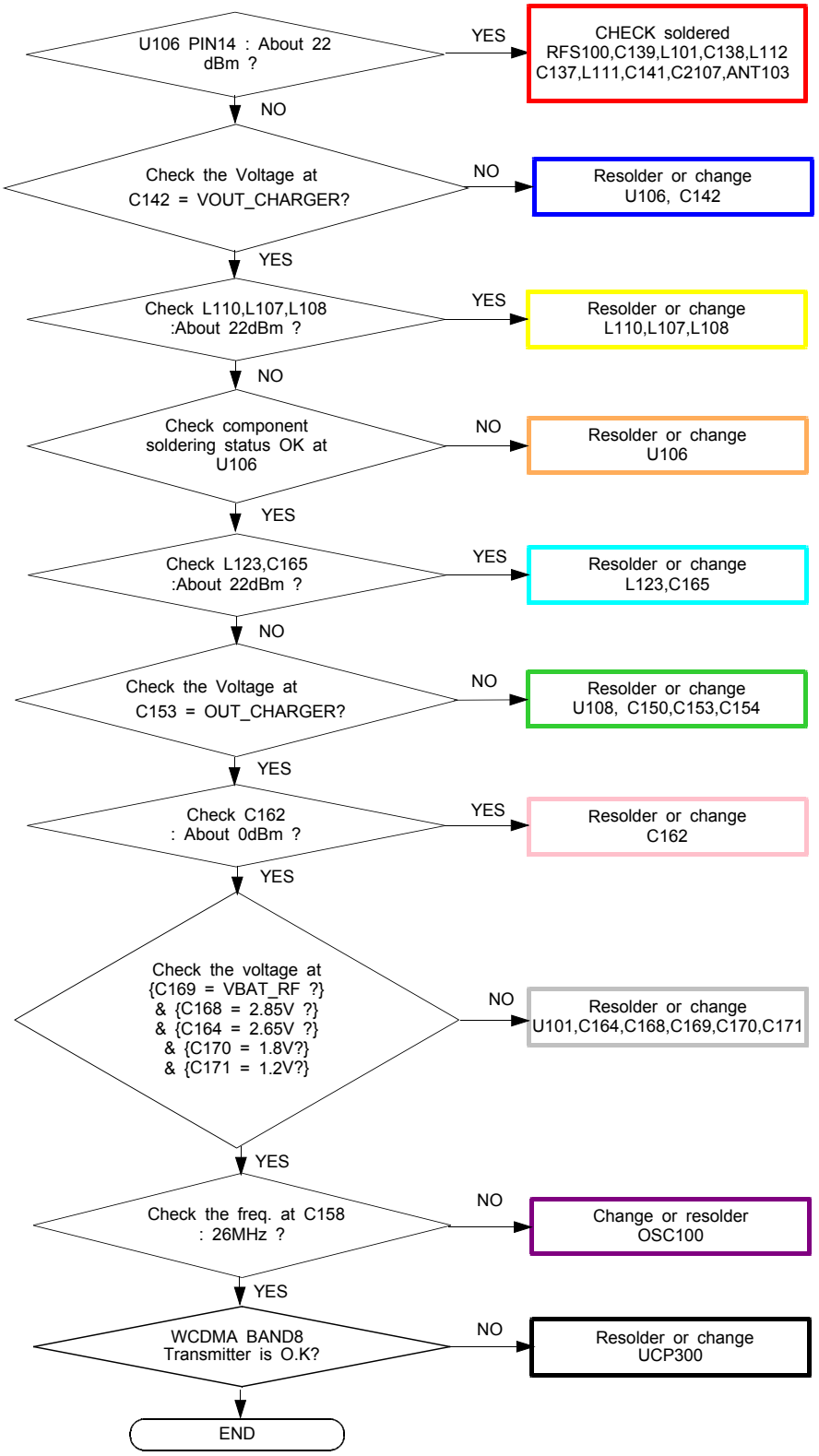
8-3-25. WCDMA BAND8 TX

CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band8 CH : 3013
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB



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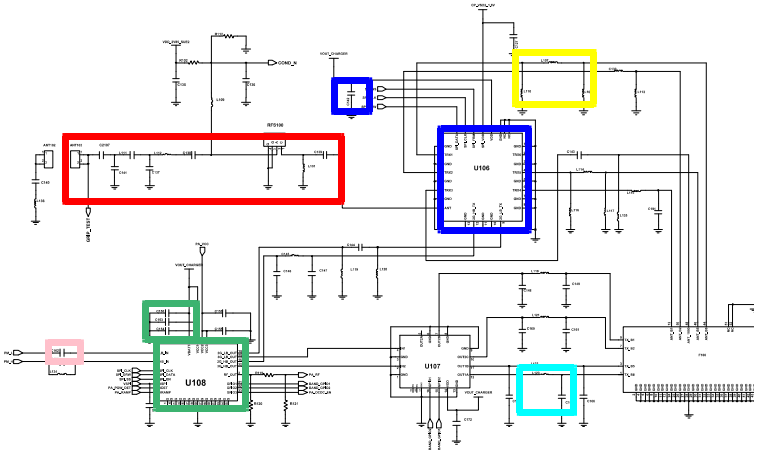

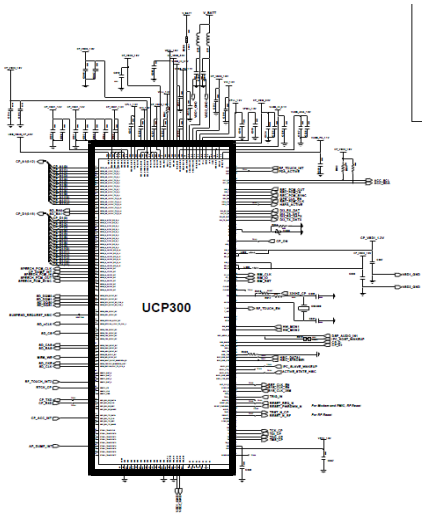

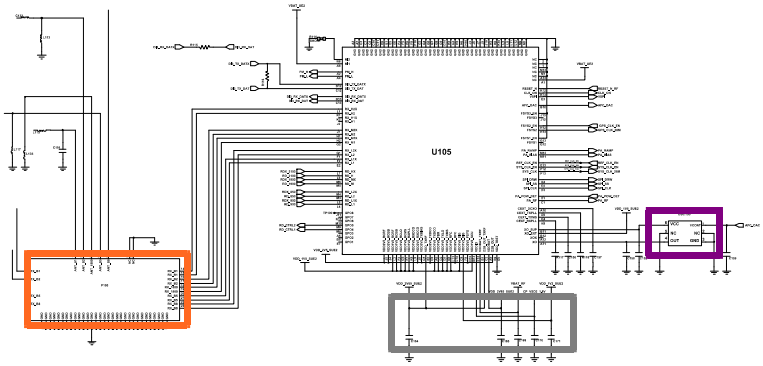

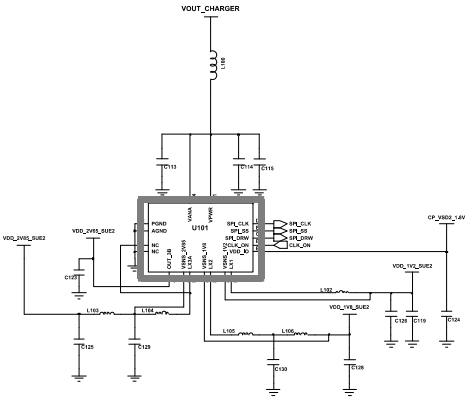

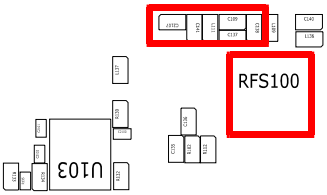

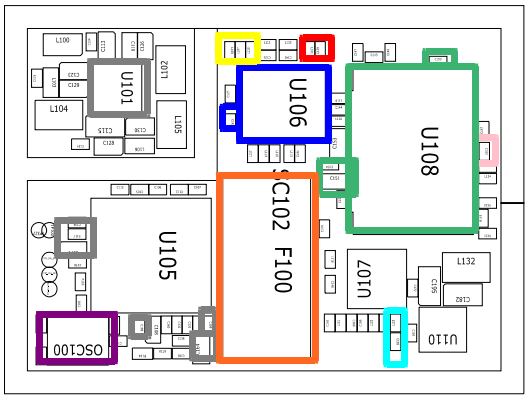

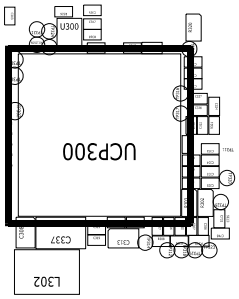

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